


```

Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPYQ--- 357
Qy      361 VPPGSDSKVAAPHPROPLTSSERIDKQIRYILDGIALRKETCKSNMCE--SSKEALAE 418
Db      358 -----DAGEP-----KSCDKTHTCPPCAPPELLG3 382
Qy      419 NNILNLPKMAEKDCCFQSGFNEETCLVKIIT---GLLEFVYLEYLQ---NRFSSSEQAR 472
Db      383 PSVFLPPPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFMNYVDGVEVNAKTKPRREEQYN 442
Qy      473 AVQMSKTVL 481
Db      443 STYRVSVL 451

RESULT 2
US-10-282-162-8
/ Sequence 8, Application US/10282162
/ Patent No. 6927044
/ GENERAL INFORMATION:
/ APPLICANT: REGENERON PHARMACEUTICALS, INC.
/ TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
/ FILE REFERENCE: REG 203-B-US
/ CURRENT APPLICATION NUMBER: US/10/282,162
/ PRIOR FILING DATE: 2002-10-28
/ PRIOR APPLICATION NUMBER: 09/787,835
/ PRIOR FILING DATE: 1999-09-22
/ PRIOR APPLICATION NUMBER: PCT/US99/22045
/ PRIOR FILING DATE: 1999-09-22
/ NUMBER OF SEQ ID NOS: 56
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 8
/ LENGTH: 592
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-282-162-8

Query Match      67.1%; Score 1921; DB 2; Length 592;
Best Local Similarity 77.1%; Pred. No. 8.3e-151;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

Qy      1 MIAVGCALIAALAAAGALAPRCPCAOEVARGVLTSLPGDSVTLTCPGVEPRDNATVVM 60
Db      1 MIAVGCALIAALAAAGALAPRCPCAOEVARGVLTSLPGDSVTLTCPGVEPRDNATVVM 60
Qy      61 VLKPPAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQVTHLLVDVPEEPOLLS 120
Db      61 VLKPPAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQVTHLLVDVPEEPOLLS 120
Qy      121 CFFKSPLSNVVCEWGRSTPSLTITTKAVLVKRFQNSPADPFOPCOYSQESQKFSQCLAV 180
Db      121 CFFKSPLSNVVCEWGRSTPSLTITTKAVLVKRFQNSPADPFOPCOYSQESQKFSQCLAV 180
Qy      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Db      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Qy      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVVLRAOEFQ 300
Db      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVVLRAOEFQ 300
Qy      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPYEFMP 360
Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPYQ--- 357
Qy      361 VPPGSDSKVAAPHPROPLTSSERIDKQIRYILDGIALRKETCKSNMCE--SSKEALAE 418
Db      358 -----DAGEP-----KSCDKTHTCPPCAPPELLG3 382
Qy      419 NNILNLPKMAEKDCCFQSGFNEETCLVKIIT---GLLEFVYLEYLQ---NRFSSSEQAR 472
Db      383 PSVFLPPPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFMNYVDGVEVNAKTKPRREEQYN 442

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Qy      473 AVQMSKTVL 481
Db      443 STYRVSVL 451

RESULT 3
US-08-795-473B-5
/ Sequence 5, Application US/08795473B
/ Patent No. 6217858
/ GENERAL INFORMATION:
/ APPLICANT: Galun, Elchan
/ APPLICANT: Nahot, Orit
/ APPLICANT: Blum, Herbert E.
/ TITLE OF INVENTION: A Pharmaceutical Composition for Treating
/ TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Davidson, Davidson and Kappel, LLC
/ STREET: 1140 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5 inch disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: MS-DOS EDITOR
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/795,473B
/ FILING DATE: 11-FEB-1997
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Davidson, Clifford M.
/ REGISTRATION NUMBER: 32,728
/ REFERENCE/DOCKET NUMBER: 963.1007
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212)-997-1028
/ TELEFAX: (212)-997-1037
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 468 amino acids
/ TYPE: amino acid
/ TOPOLOGY: unknown
US-08-795-473B-5

Query Match      67.0%; Score 1918; DB 2; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

Qy      1 MIAVGCALIAALAAAGALAPRCPCAOEVARGVLTSLPGDSVTLTCPGVEPRDNATVVM 60
Db      1 MIAVGCALIAALAAAGALAPRCPCAOEVARGVLTSLPGDSVTLTCPGVEPRDNATVVM 60
Qy      61 VLKPPAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQVTHLLVDVPEEPOLLS 120
Db      61 VLKPPAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQVTHLLVDVPEEPOLLS 120
Qy      121 CFFKSPLSNVVCEWGRSTPSLTITTKAVLVKRFQNSPADPFOPCOYSQESQKFSQCLAV 180
Db      121 CFFKSPLSNVVCEWGRSTPSLTITTKAVLVKRFQNSPADPFOPCOYSQESQKFSQCLAV 180
Qy      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Db      181 PBGDSFFYIVSMCVASSVSGSKFSKTQTFQCGGILQDPDPANITVTVAANPRMLSTWOD 240
Qy      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVVLRAOEFQ 300
Db      241 PHSWNSFYRLRPELRYRARSKTFTTWVKDLOHHCVIHDAMSGLRHVVLRAOEFQ 300
Qy      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPYEFMP 360
Db      301 GEMSEMSPEAMGTPWTSRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPYQ--- 357

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Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNII.FRDSANATSLPV----- 356

QY 361 VPPGEDSKDVAAP 373

Db 357 ----QDSSSVPLP 365

RESULT 4

US-09-439-856-5
 ; Sequence 5, Application US/09439856
 ; Patent No. 6410009
 ; GENERAL INFORMATION:
 ; APPLICANT: Galun, Eithan
 ; APPLICANT: Nahot, Orit
 ; APPLICANT: Blum, Herbert E.
 ; TITLE OF INVENTION: A Pharmaceutical Composition for Treating
 ; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Davidson, Davidson and Kappel, LLC
 ; STREET: 1140 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: MS-DOS EDITOR
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/439, 856
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/795,473
 ; FILING DATE: 11-FEB-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Davidson, Clifford M.
 ; REGISTRATION NUMBER: 32,728
 ; REFERENCE/DOCKET NUMBER: 963,1007
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)-997-1028
 ; TELEFAX: (212)-997-1037
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 468 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: unknown
 ; US-09-439-856-5

Query Match 67.0%; Score 1918; DB 2; Length 468;
 Best Local Similarity 96.5%; Pred. No. 1e-150;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MIAVGCALLAALLAIPGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60

Db 1 MIAVGCALLAALLAIPGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60

QY 61 VLKPPAAGSHPSRWAGMGRILLRSVOLHDSGNTSCYRAGRPACTVHLVDPPEEPOLS 120

Db 61 VLKPPAAGSHPSRWAGMGRILLRSVOLHDSGNTSCYRAGRPACTVHLVDPPEEPOLS 120

QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEPCQYQESQKFSQCLAV 180

Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEPCQYQESQKFSQCLAV 180

QY 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITYTAVARNRPMISVTWOD 240

Db 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITYTAVARNRPMISVTWOD 240

QY 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVQLRAOEFGQ 300

Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVQLRAOEFGQ 300

Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVQLRAOEFGQ 300

QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNII.FRDSANATSLPVEEMP 360

Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNII.FRDSANATSLPVEEMP 360

QY 361 VPPGEDSKDVAAP 373

Db 357 ----QDSSSVPLP 365

RESULT 5

US-09-949-016-5959
 ; Sequence 5959, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CLO01307
 ; CURRENT APPLICATION NUMBER: US/09/949, 016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5959
 ; LENGTH: 468
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-949-016-5959

Query Match 67.0%; Score 1918; DB 2; Length 468;
 Best Local Similarity 96.5%; Pred. No. 1e-150;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MIAVGCALLAALLAIPGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60

Db 1 MIAVGCALLAALLAIPGALAPRRCPAEOEVARGVLTSLPGDSVTLTCGVEPEDNATVHM 60

QY 61 VLKPPAAGSHPSRWAGMGRILLRSVOLHDSGNTSCYRAGRPACTVHLVDPPEEPOLS 120

Db 61 VLKPPAAGSHPSRWAGMGRILLRSVOLHDSGNTSCYRAGRPACTVHLVDPPEEPOLS 120

QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEPCQYQESQKFSQCLAV 180

Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEPCQYQESQKFSQCLAV 180

QY 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITYTAVARNRPMISVTWOD 240

Db 181 PEGDSSFYIVMCAVSSVGSKFSKTQTFQGGCIIQDPDPANITYTAVARNRPMISVTWOD 240

QY 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVQLRAOEFGQ 300

Db 241 PHSNNSFYRLRFELRYAERSKTTFTTMVVDLQHCYIHAMSGLRHVQLRAOEFGQ 300

QY 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNII.FRDSANATSLPVEEMP 360

Db 301 GEMSEWPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNII.FRDSANATSLPVEEMP 360

QY 361 VPPGEDSKDVAAP 373

Db 357 ----QDSSSVPLP 365

RESULT 6
 5171840-2
 ; Patent No. 5171840
 ; APPLICANT: KISHIMOTO, TADAMITSU

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; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO:2:
; LENGTH: 468
5171840-2

Query Match      67.0%; Score 1918; DB 7; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
QY 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
DB 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
QY 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
DB 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
QY 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
DB 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
QY 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
DB 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
QY 361 VPPGEDSKVYAP 373
DB 357 ---QDSSVPLP 365

RESULT 7
5480796-2
; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO:2:
; LENGTH: 468
5480796-2

Query Match      67.0%; Score 1918; DB 7; Length 468;
Best Local Similarity 96.5%; Pred. No. 1e-150;
Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

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DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
QY 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
DB 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
QY 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
DB 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
QY 361 VPPGEDSKVYAP 373
DB 357 ---QDSSVPLP 365

RESULT 8
US-09-313-942-15
; Sequence 15, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

Query Match      66.8%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 3.2e-150;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MAAVGALLAALIAAGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVOLHDSGNYSCYRAGRPAQVHLVADVPEEPQOLS 120
QY 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGRSTPSLTITKAVLVLRKFQNSPADPFOBPCCQYSQBSQKFSQCLAV 180
QY 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
DB 181 PRDSSFFIYVMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRLSTTWOD 240
QY 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
DB 241 PHSNNSFFRLRFLRYRARSKTFTTMVKDLOHHCVIHDAMSGLRHVVOLRAQBEFQ 300
QY 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
DB 301 GEWSEWSPAMGTPMTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPYEEMP 360
QY 361 VPPGEDSKVYAP 373
DB 357 ---QDSSVPLP 365

RESULT 9

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US-10-282-162-15
; Sequence 15, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 66.8%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 3.2e-150;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Qy 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Qy 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVE 357
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVE 357
RESULT 10
5171840-7
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7;
; LENGTH: 344
5171840-7

Query Match 64.7%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 2e-145;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60

Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Qy 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Qy 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344

RESULT 11
5480796-7
; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7;
; LENGTH: 344
5480796-7

Query Match 64.7%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 2e-145;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db 1 MNAVGCALLAALPAAGALAPRCPAOEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Db 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
Qy 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Db 121 CFRKSPLSNVCEWGPSTPSLTTKAVLVKFPNSPAEDQOEPCOYSQESQKSCQAV 180
Qy 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Db 181 PEGDSSFYIVSMCAVSSVGSKFSKTQTFQCGGIIQPPDPANITVAVARNRMLSVTQD 240
Qy 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Db 241 PHSNNSFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQVLRQEEFGQ 300
Qy 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344
Db 301 GEMSEWSPAMGTWPTESRSPPAENEVSTPMQALTTNKDDNITL 344

RESULT 12
US-09-313-942-26
; Sequence 26, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

Db 301 GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331

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RESULT 15
US-10-282-162-24
; Sequence 24, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24

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Query Match 62.3%; Score 1783; DB 2; Length 1168;
 Best Local Similarity 99.7%; Pred. No. 6.6e-139;
 Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY	1	MLAVGCLALALALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVPEPDNATVHW	60
Db	1	MVAVGCALALALALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVPEPDNATVHW	60
QY	61	VLKRPAGSHPSRWAGMRLLRSVOLHSGNYSQVRAGRPAGTVHLVDVPEEPOLS	120
Db	61	VLKRPAGSHPSRWAGMRLLRSVOLHSGNYSQVRAGRPAGTVHLVDVPEEPOLS	120
QY	121	CFRKSPLSNVVCEWGPSTPSLTTKAVLVLRKFQNSPAEDFOEPCQYSQESQKFSQOLAV	180
Db	121	CFRKSPLSNVVCEWGPSTPSLTTKAVLVLRKFQNSPAEDFOEPCQYSQESQKFSQOLAV	180
QY	181	PEGDSFYIVSMCVASVGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRMLSTWOD	240
Db	181	PEGDSFYIVSMCVASVGSKFSKTQTFQCGGILQDPDPANITVTAVARNPRMLSTWOD	240
QY	241	PHGMNSSFYRLRPELRYRARSKTFTTMVKDLQHCVIDHWSGLRHVVQLRAQEEFGQ	300
Db	241	PHGMNSSFYRLRPELRYRARSKTFTTMVKDLQHCVIDHWSGLRHVVQLRAQEEFGQ	300
QY	301	GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331	
Db	301	GEMSEWSPAMGTPTWTSRSPPAENEYSTPM 331	

Search completed: June 29, 2006, 20:55:16
 Job time : 53 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 29, 2006, 21:06:02 ; Search time 186 Seconds
(without alignments)
1352.289 Million cell updates/sec

Title: US-09-462-416-7
Perfect score: 2861
Sequence: 1 MIAVGCALLAALAAPGAL.....LIIRSEKFEILOSSLRALROM 543

Scoring table: BL0SUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues
Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main.*
1: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US08_PUBCOMB.pep.*
3: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US09_PUBCOMB.pep.*
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5: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10_PUBCOMB.pep.*
6: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2772	96.9	569	US-10-485-545A-14	Sequence 14, App1
2	1921	67.1	592	US-09-313-942-8	Sequence 8, App1
3	1921	67.1	592	US-09-935-868-8	Sequence 8, App1
4	1921	67.1	592	US-10-287-035-8	Sequence 8, App1
5	1921	67.1	592	US-10-282-162-8	Sequence 8, App1
6	1921	67.1	592	US-11-134-114-8	Sequence 8, App1
7	1918	67.0	468	US-10-247-463-12	Sequence 12, App1
8	1918	67.0	468	US-10-756-149-5377	Sequence 12, App1
9	1918	67.0	468	US-11-016-106-12	Sequence 12, App1
10	1910	66.8	360	US-09-313-942-15	Sequence 15, App1
11	1910	66.8	360	US-09-935-868-15	Sequence 15, App1
12	1910	66.8	360	US-10-287-035-15	Sequence 15, App1
13	1910	66.8	360	US-10-282-162-15	Sequence 15, App1
14	1910	66.8	360	US-11-134-114-15	Sequence 15, App1
15	1902	66.5	468	US-10-485-545A-11	Sequence 11, App1
16	1897	66.3	357	US-10-485-545A-13	Sequence 11, App1
17	1891	66.1	364	US-10-485-545A-10	Sequence 10, App1
18	1891	66.1	365	US-10-485-545A-12	Sequence 12, App1
19	1823.5	63.7	453	US-10-332-696-144	Sequence 14, App1
20	1788	62.5	1158	US-09-313-942-26	Sequence 26, App1
21	1788	62.5	1158	US-09-935-868-26	Sequence 26, App1
22	1788	62.5	1158	US-10-287-035-26	Sequence 26, App1
23	1788	62.5	1158	US-10-282-162-26	Sequence 26, App1
24	1788	62.5	1158	US-11-134-114-26	Sequence 26, App1
25	1783	62.3	1168	US-09-313-942-24	Sequence 24, App1
26	1783	62.3	1168	US-09-935-868-24	Sequence 24, App1
27	1783	62.3	1168	US-10-287-035-24	Sequence 24, App1

28	1783	62.3	1168	US-10-282-162-24	Sequence 24, App1
29	1783	62.3	1168	US-11-134-114-24	Sequence 24, App1
30	1683	58.8	315	US-09-313-942-16	Sequence 16, App1
31	1683	58.8	315	US-09-935-868-16	Sequence 16, App1
32	1683	58.8	315	US-10-287-035-16	Sequence 16, App1
33	1683	58.8	315	US-10-282-162-16	Sequence 16, App1
34	1683	58.8	315	US-11-134-114-16	Sequence 16, App1
35	954.5	33.4	387	US-10-332-696-141	Sequence 14, App1
36	954.5	33.4	460	US-10-247-463-13	Sequence 13, App1
37	954.5	33.4	460	US-11-016-106-13	Sequence 13, App1
38	939.5	32.8	266	US-10-43-788-194	Sequence 14, App1
39	938.5	32.8	212	US-09-854-280-14	Sequence 14, App1
40	938.5	32.8	212	US-09-854-280-14	Sequence 14, App1
41	938.5	32.8	212	US-10-039-007A-3	Sequence 3, App1
42	938.5	32.8	212	US-10-400-377-13	Sequence 13, App1
43	938.5	32.8	212	US-10-400-708-13	Sequence 13, App1
44	938.5	32.8	212	US-10-298-148-13	Sequence 13, App1
45	938.5	32.8	212	US-10-440-464-61	Sequence 61, App1

ALIGNMENTS

RESULT 1
US-10-485-545A-14
Sequence 14, Application US/10485545A
Publication NO. US20050064558A1
GENERAL INFORMATION:
APPLICANT: University of Wales Cardiff
TITLE OF INVENTION: A Fusion Protein
FILE REFERENCE: P102803PCT
CURRENT APPLICATION NUMBER: US/10/485,545A
CURRENT FILING DATE: 2004-02-02
PRIOR APPLICATION NUMBER: 0119015.6
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 15
SOFTWARE: SeqWIn99, version 1.02
SEQ ID NO 14
LENGTH: 569
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: IL-6 fusion protein
US-10-485-545A-14

Query Match	96.9%	Score 2772;	DB 5;	Length 569;
Best Local Similarity	95.4%	Pred. No. 2.2e-206;		
Matches 535;	Conservative	0;	Mismatches 6;	Indels 20; Gaps 3;
QY	1	MLAVGCALLAALAAPGALAPRCPAQEVARGVLTSPGDSVTLTCPGVEPEDNATVHW	60	
DB	1	MIAVGCALLAALAAPGALAPRCPAQEVARGVLTSPGDSVTLTCPGVEPEDNATVHW	60	
QY	61	VLRPAAGSHPSRWAGGRLLRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS	120	
DB	61	VLRPAAGSHPSRWAGGRLLRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS	120	
QY	121	CFRKSPLSNVVCWGPSTSLTKAVLVYRKONSAPEDPOEFCOYSOSQKSCOLAV	180	
DB	121	CFRKSPLSNVVCWGPSTSLTKAVLVYRKONSAPEDPOEFCOYSOSQKSCOLAV	180	
QY	181	PEGDSFYYIMCVAASVSGSKFTQTFQCGILQPPDPANITVTAVARNPRLSVTMO	240	
DB	181	PEGDSFYYIMCVAASVSGSKFTQTFQCGILQPPDPANITVTAVARNPRLSVTMO	240	
QY	241	PHWNSGFYLRRLRYRARSKTFTTWYKDIQHCVIDANSGLHVVQLRAQEBFGQ	300	
DB	241	PHWNSGFYLRRLRYRARSKTFTTWYKDIQHCVIDANSGLHVVQLRAQEBFGQ	300	
QY	301	GEMSEWPEPMGTPWMESSRSPAPNEVSTPMOALTTNKDDNITLFRDSANATSLP	355	
DB	301	GEMSEWPEPMGTPWMESSRSPAPNEVSTPMOALTTNKDDNITLFRDSANATSLP	355	

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QY 356 -----VERMPYPRGSDSKVAAPHROPITSSERIDKQIRYILDGISAARKET 402
Db 361 GSGGLOGGGGGGSLPEPPGSDSKVAAPHROPITSSERIDKQIRYILDGISA-RKET 419
QY 403 CNKSNWCESSKEALANNINLPMKAEKDCGFOGFBETCLVKITGLFEFVYLEYLN 462
Db 420 CNKSNWCESSKEALANNINLPMKAEKDCGFOGFBETCLVKITGLFEFVYLEYLN 479
QY 463 RESSSEQARAVQMTSKVLIOFLQKAKNIDAITTPDPTTNASLITKLOANQMLQDMTT 522
Db 480 RESSSEQARAVQMTSKVLIOFLQKAKNIDAITTPDPTTNASLITKLOANQMLQDMTT 538
QY 523 HILIRSFKEFLQSSILRALROM 543
Db 539 HILIRSFKEFLQSSILRALROM 559

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RESULT 2
US-09-313-942-8
; Sequence 8, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-8

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Query Match 67.1%; Score 1921; DB 3; Length 592;
Best Local Similarity 77.1%; Pred. No. 3,1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

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QY 1 MNAVGCALLAALIAAFGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
Db 1 MNAVGCALLAALIAAFGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
QY 61 VLRKPAAGSHPRMAGMGRRLLRSVOLHDSGNVSCYRAGRPAQVTHLLVDVPEEPOLS 120
Db 61 VLRKPAAGSHPRMAGMGRRLLRSVOLHDSGNVSCYRAGRPAQVTHLLVDVPEEPOLS 120
QY 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCOYQSOSQKFSQCLAV 180
Db 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCOYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
QY 241 PHSWNSSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOBEFQ 300
Db 241 PHSWNSSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOBEFQ 300
QY 301 GEWSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFRDSANATSLPYEFMP 360
Db 301 GEWSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFRDSANATSLPYQ--- 357
QY 361 VPPGEDSKVAAPHROPITSSERIDKQIRYILDGISAARKETCNKSNMCE--SSKALAE 418
Db 358 -----DAGEP-----KSCDKHTHTCPPCAPPELLGG 382

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QY 419 NNINLPMKAEKDCGFOGFBETCLVKIT---GLFEFVYLEYLO---NRFSSEQAR 472
Db 383 PSVFLEPPPKDQTLMTISRTPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTPREEQYN 442
QY 473 AVQMTSKVL 481
Db 443 STYRVSVL 451

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```

RESULT 3
US-09-935-868-8
; Sequence 8, Application US/0935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-868-8

```

```

Query Match 67.1%; Score 1921; DB 3; Length 592;
Best Local Similarity 77.1%; Pred. No. 3,1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

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QY 1 MNAVGCALLAALIAAFGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
Db 1 MNAVGCALLAALIAAFGALAPRCPAQEVARGVLTSLPGDSVTLTCPGVPEPDNATVHW 60
QY 61 VLRKPAAGSHPRMAGMGRRLLRSVOLHDSGNVSCYRAGRPAQVTHLLVDVPEEPOLS 120
Db 61 VLRKPAAGSHPRMAGMGRRLLRSVOLHDSGNVSCYRAGRPAQVTHLLVDVPEEPOLS 120
QY 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCOYQSOSQKFSQCLAV 180
Db 121 CFAKSPLSNVVCEMGRSTPSLTITKAVLVRKFQNSPADPQBPCCOYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
Db 181 PEGDSSFYIVSMCVASVSGSKFSKTQTFQCGILQDPDPANITVTVAARNPRLSVTWOD 240
QY 241 PHSWNSSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOBEFQ 300
Db 241 PHSWNSSFYRLRFLRYRARSKTFTTMMVKDLOHHCVIHDAMSGLRHVQLRAOBEFQ 300
QY 301 GEWSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFRDSANATSLPYEFMP 360
Db 301 GEWSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNLIFFRDSANATSLPYQ--- 357
QY 361 VPPGEDSKVAAPHROPITSSERIDKQIRYILDGISAARKETCNKSNMCE--SSKALAE 418
Db 358 -----DAGEP-----KSCDKHTHTCPPCAPPELLGG 382
QY 419 NNINLPMKAEKDCGFOGFBETCLVKIT---GLFEFVYLEYLO---NRFSSEQAR 472
Db 383 PSVFLEPPPKDQTLMTISRTPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTPREEQYN 442
QY 473 AVQMTSKVL 481
Db 443 STYRVSVL 451

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RESULT 4
US-10-287-035-8
; Sequence 8, Application US/10287035

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Publication No. US20030104567A1
GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USSN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USSN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USSN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 592
TYPE: PRT
ORGANISM: Homo sapiens
US-10-287-035-8

Query Match 67.1%; Score 1921; DB 4; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

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DB 1 MVAVGCLLAAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
DB 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
QY 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
DB 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
QY 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFG 300
DB 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFG 300
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
QY 361 VPPEGDSKDVAAAPRQPLTSSERIDKQIRYLIDGISAIRKETCKSNMCE--SSKEALAE 418
DB 361 VPPEGDSKDVAAAPRQPLTSSERIDKQIRYLIDGISAIRKETCKSNMCE--SSKEALAE 418
QY 358 -----DAGEP-----KSCDKHTTCPCCPAPPELLGG 382
DB 358 -----DAGEP-----KSCDKHTTCPCCPAPPELLGG 382
QY 419 NNINLPMAEKDGCFOGFGNEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
DB 383 PSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVFNNYVDGVEVHNAKTKRREQYN 442
QY 473 AVQMSTVYL 481
DB 443 STYRVVSVL 451

RESULT 5
US-10-282-162-8
Sequence 8, Application US/10282162
Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.

TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 592
TYPE: PRT
ORGANISM: Homo sapiens
US-10-282-162-8

Query Match 67.1%; Score 1921; DB 4; Length 592;
Best Local Similarity 77.1%; Pred. No. 3.1e-140;
Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

QY 1 MLAVGCLLAAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAVGCLLAAALAPGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
DB 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
QY 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
DB 121 CPERKSPISNVCEWGPSTSLTTKAVLVKRFQNSPAEDFOEPCOYSOESQKSCOLAV 180
QY 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
DB 181 PEGDSFYIYSCVAVSSVGSKFTQTFQCGILQPPPANITVTAAARNRMLSVTQD 240
QY 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFG 300
DB 241 PHSWNSFYRLRFLRYRARSKTFTTWVVKDLOHHCVIDHWSGLRHVVQLRAQEEFG 300
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
QY 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
DB 301 GEMSEWPEAMGTPWTSRSPPAENEYSTPMQALTTKDDNLLFRDSANATSLPVEFMP 360
QY 361 VPPEGDSKDVAAAPRQPLTSSERIDKQIRYLIDGISAIRKETCKSNMCE--SSKEALAE 418
DB 361 VPPEGDSKDVAAAPRQPLTSSERIDKQIRYLIDGISAIRKETCKSNMCE--SSKEALAE 418
QY 358 -----DAGEP-----KSCDKHTTCPCCPAPPELLGG 382
DB 358 -----DAGEP-----KSCDKHTTCPCCPAPPELLGG 382
QY 419 NNINLPMAEKDGCFOGFGNEETCLVKIIT---GLTFEYVLEYLQ---NRFESSEQAR 472
DB 383 PSVFLFPKPKDITLMISRTPEVTCVVVDVSHEDPEVFNNYVDGVEVHNAKTKRREQYN 442
QY 473 AVQMSTVYL 481
DB 443 STYRVVSVL 451

RESULT 6
US-11-134-114-8
Sequence 8, Application US/11134114
Publication No. US2005022033A1
GENERAL INFORMATION:
APPLICANT: Yancopoulos, George D.
TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
FILE REFERENCE: 203CI
CURRENT APPLICATION NUMBER: US/11/134,114
CURRENT FILING DATE: 2005-05-20
PRIOR APPLICATION NUMBER: 10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 2001-03-22

PRIOR APPLICATION NUMBER: PCT/US99/22045
 PRIOR FILING DATE: 1999-09-22
 PRIOR APPLICATION NUMBER: 09/313,942
 PRIOR FILING DATE: 1999-05-19
 PRIOR APPLICATION NUMBER: 60/101,858
 PRIOR FILING DATE: 1998-09-25
 NUMBER OF SEQ ID NOS: 56
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO: 8
 LENGTH: 592
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-11-134-114-8

Query Match 67.1%; Score 1921; DB 6; Length 592;
 Best Local Similarity 77.1%; Pred. No. 3.1e-140;
 Matches 377; Conservative 22; Mismatches 44; Indels 46; Gaps 5;

QY 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 DB 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 QY 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTTKAVLVKRFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTTKAVLVKRFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 181 PEGDSEFYIVSMCVASVSGKFSKTQTFQCGILQPDPPANITVTAAVARNPRLSTWOD 240
 DB 181 PEGDSEFYIVSMCVASVSGKFSKTQTFQCGILQPDPPANITVTAAVARNPRLSTWOD 240
 QY 241 PSHWSSFYRLRFLRYRAERSKFTTMMVKDLQHHCVIHDAMSGLRHVYQLRAQEEFQ 300
 DB 241 PSHWSSFYRLRFLRYRAERSKFTTMMVKDLQHHCVIHDAMSGLRHVYQLRAQEEFQ 300
 QY 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFDSANATSLPVEFMP 360
 DB 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFDSANATSLPVEFMP 360
 QY 361 VPPGDSKDVAAAPRQPLTSSERIDKQIRYILDIGISALRKETGKSNMCE--SSKELAAE 418
 DB 358 -----DAGP-----KSCDKHTHCPCCAPRLGG 382
 QY 419 NNILPRMAEKQCFQSGFNEETCLVYKLT--GLLEFVYLYEQ--NRFSSSEQAR 472
 DB 383 PSVFLPRPKQDTLMSRTPREVTCVVVDVSHEDPEVKFMVYDGVENHAKTKRPREQYV 442
 QY 473 AVQMSKTVL 481
 DB 443 STYRVVSVL 451

RESULT 7
 US-10-247-463-12
 Sequence 12, Application US/10247463
 Publication No. US20030082734A1
 GENERAL INFORMATION:
 APPLICANT: Dowling, Lynette M.
 APPLICANT: Timans, Jacqueline C.
 APPLICANT: Gorman, Daniel M.
 APPLICANT: Kastelein, Robert A.
 APPLICANT: Bazan, J. Fernando
 TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
 FILE REFERENCE: DX09920
 CURRENT APPLICATION NUMBER: US/10/247,463
 CURRENT FILING DATE: 2002-09-18
 PRIOR APPLICATION NUMBER: US/09/568,113
 PRIOR FILING DATE: 2000-05-31
 NUMBER OF SEQ ID NOS: 13

SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 12
 LENGTH: 468
 TYPE: PRT
 ORGANISM: primate
 US-10-247-463-12

Query Match 67.0%; Score 1918; DB 4; Length 468;
 Best Local Similarity 96.5%; Pred. No. 3.8e-140;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 DB 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 QY 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTTKAVLVKRFQNSPADPQPCQYSGESQKFSQCLAV 180
 DB 121 CRRKSPLSNVVCEWGRSTPSTLTTKAVLVKRFQNSPADPQPCQYSGESQKFSQCLAV 180
 QY 181 PEGDSEFYIVSMCVASVSGKFSKTQTFQCGILQPDPPANITVTAAVARNPRLSTWOD 240
 DB 181 PEGDSEFYIVSMCVASVSGKFSKTQTFQCGILQPDPPANITVTAAVARNPRLSTWOD 240
 QY 241 PSHWSSFYRLRFLRYRAERSKFTTMMVKDLQHHCVIHDAMSGLRHVYQLRAQEEFQ 300
 DB 241 PSHWSSFYRLRFLRYRAERSKFTTMMVKDLQHHCVIHDAMSGLRHVYQLRAQEEFQ 300
 QY 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFDSANATSLPVEFMP 360
 DB 301 GEMSESPKMGTPWTESSRPPAENEVSTPMQALTNKDDNLLFDSANATSLPVEFMP 360
 QY 361 VPPGDSKDVAAAP 373
 DB 357 -----QDSSVPLP 365

RESULT 8
 US-10-756-149-5377
 Sequence 5377, Application US/10756149
 Publication No. US20050181375A1
 GENERAL INFORMATION:
 APPLICANT: Aziz, Natcha
 APPLICANT: Zlotnik, Albert
 TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
 FILE REFERENCE: file
 CURRENT APPLICATION NUMBER: US/10/756,149
 CURRENT FILING DATE: 2004-01-12
 NUMBER OF SEQ ID NOS: 5818
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 5377
 LENGTH: 468
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-10-756-149-5377

Query Match 67.0%; Score 1918; DB 5; Length 468;
 Best Local Similarity 96.5%; Pred. No. 3.8e-140;
 Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

QY 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 DB 1 MAAVGCALIAALAAAGALAPRRCPAOFVARGVLTSLPGDSVTLTCPGVEPDNATVHW 60
 QY 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 DB 61 VLKPPAAGSHPRMAGMGRLLRLRSVQLHDSGNYSCYRAGRPAQTVHLLVDVPEEPQLS 120
 QY 121 CRRKSPLSNVVCEWGRSTPSTLTTKAVLVKRFQNSPADPQPCQYSGESQKFSQCLAV 180

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Db      121  |||||
Qy      181  |||||
Db      181  |||||
Qy      241  |||||
Db      241  |||||
Qy      301  |||||
Db      301  |||||
Qy      361  |||||
Db      357  |||||

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RESULT 9

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US-11-016-106-12
; Sequence 12, Application US/11016106
; Publication No. US20050106673A1
; GENERAL INFORMATION:
; APPLICANT: Dowling, Lynette M.
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Kasteleijn, Robert A.
; TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
; FILE OF INVENTION: Methods
; FILE REFERENCE: DX09920
; CURRENT APPLICATION NUMBER: US/11/016,106
; PRIOR FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/568,113
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
; US-11-016-106-12

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Query Match Best Local Similarity 67.0%; Score 1918; DB 6; Length 468;

Matches 360; Conservative 1; Mismatches 4; Indels 8; Gaps 1;

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Qy      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Db      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Qy      121  CPEKSLSNVVCWGPSTSLTTKAVLVKRFONSPAEFQPCQYQSQSKFSCQLAV 180
Db      121  CPEKSLSNVVCWGPSTSLTTKAVLVKRFONSPAEFQPCQYQSQSKFSCQLAV 180
Qy      181  PEGDSSFYIVSMCVASVSGSKFQKTFQCGILQDPDPANITVTAVARNPRLSVTWOD 240
Db      181  PEGDSSFYIVSMCVASVSGSKFQKTFQCGILQDPDPANITVTAVARNPRLSVTWOD 240
Qy      241  PHSWNSFFYRLRELRYRARSKTFTTWMVKDIQHCIVHDAMSGLRHVQLRAQEEFGQ 300
Db      241  PHSWNSFFYRLRELRYRARSKTFTTWMVKDIQHCIVHDAMSGLRHVQLRAQEEFGQ 300
Qy      301  GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEFMP 360
Db      301  GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVEFMP 360

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Qy      361  VPRGEDSKVAP 373
Db      357  ----QDSSVPLP 365

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RESULT 10

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US-09-313-942-15
; Sequence 15, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-313-942-15

```

Query Match Best Local Similarity 66.8%; Score 1910; DB 3; Length 360;

Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Db      1  MAAVGALLAALAAAGALAPRCPAQEVARGVLTSLPGDSVTLTCGVEPEDNATVHW 60
Qy      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Db      61  VLRKPAAGSHPSWAGMGRRLILRSVQLHDSGNVSCYRAGRPACTVHLVDVPEEPQLS 120
Qy      121  CPEKSLSNVVCWGPSTSLTTKAVLVKRFONSPAEFQPCQYQSQSKFSCQLAV 180
Db      121  CPEKSLSNVVCWGPSTSLTTKAVLVKRFONSPAEFQPCQYQSQSKFSCQLAV 180
Qy      181  PEGDSSFYIVSMCVASVSGSKFQKTFQCGILQDPDPANITVTAVARNPRLSVTWOD 240
Db      181  PEGDSSFYIVSMCVASVSGSKFQKTFQCGILQDPDPANITVTAVARNPRLSVTWOD 240
Qy      241  PHSWNSFFYRLRELRYRARSKTFTTWMVKDIQHCIVHDAMSGLRHVQLRAQEEFGQ 300
Db      241  PHSWNSFFYRLRELRYRARSKTFTTWMVKDIQHCIVHDAMSGLRHVQLRAQEEFGQ 300
Qy      301  GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE 357
Db      301  GEMSEMSPEAMGTPWTESRSPPAENEVSTPMQALTTNKDDNILLFRDSANATSLPVE 357

```

RESULT 11

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US-09-935-868-15
; Sequence 15, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203P
; CURRENT APPLICATION NUMBER: US/09/935,868
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 15
; LENGTH: 360

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TYPE: PRT
ORGANISM: Homo sapiens
US-09-935-868-15

Query Match 66.8%; Score 1910; DB 3; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
DB 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120
QY 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357

RESULT 12
US-10-287-035-15
Sequence 15, Application US/10287035
Publication No. US20030104567A1
GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-287-035-15

Query Match 66.8%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
DB 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120

QY 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357

RESULT 13
US-10-282-162-15
Sequence 15, Application US/10282162
Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 66.8%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
DB 1 MAAVGCALIAALIAAGALAPRCPAEOVARCVLTSLPGDSVTLTLCPGVEPEDNATVHW 60
QY 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120
DB 61 VLRKPAAGSHPSRWAGMGRRLILRSVQLHDSGNYSCYRAGRPAAGTHLLVDVPEEPOLIS 120
QY 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
DB 121 CFRKSPLSNVCEWGBRSTPSLTITKAVLLVRKFQNSPADPFOBPCCYSGESQKFSQCLAV 180
QY 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
DB 181 PGDSSFYIVSMCVASVSGSKFSKTQTFQCGGILQDPDPANITVTAVANPRMLSTTWOD 240
QY 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
DB 241 PHSWNSFYRLRPELRYRARSKTFTTMVVKDLOHHCVJHDAMSGLRHVYQLRAOBEFQ 300
QY 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357
DB 301 GEMSEWSPAMGTPWTESSRSPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVQ 357

RESULT 14
US-11-134-114-15
Sequence 15, Application US/11134114

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; Publication No. US2005022033A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
; FILE REFERENCE: 203C1
; CURRENT APPLICATION NUMBER: US/11/134,114
; CURRENT FILING DATE: 2005-05-20
; PRIOR APPLICATION NUMBER: 10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,856
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-134-114-15

Query Match      66.8%; Score 1910; DB 6; Length 360;
Best Local Similarity 99.4%; Pred. No. 1,1e-139;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MVAAGCALLAALPAAGALAPRCPCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAAGCALLAALPAAGALAPRCPCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFONSPADEPQPCQYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFONSPADEPQPCQYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNNSFFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSNNSFFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357
DB 301 GEMSEMSPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357

RESULT 15
US-10-485-545A-11
; Sequence 11, Application US/10485545A
; Publication No. US20050064558A1
; GENERAL INFORMATION:
; APPLICANT: University College Cardiff
; APPLICANT: University of Wales College of Medicine
; TITLE OF INVENTION: A Fusion Protein
; FILE REFERENCE: P102803PCT
; CURRENT APPLICATION NUMBER: US/10/485,545A
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: 0119015.6
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: SeqMan9, version 1.02
; SEQ ID NO 11
; LENGTH: 468
; TYPE: PRT

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; ORGANISM: homo sapien
US-10-485-545A-11

Query Match      66.5%; Score 1902; DB 5; Length 468;
Best Local Similarity 96.0%; Pred. No. 6.7e-139;
Matches 358; Conservative 1; Mismatches 6; Indels 8; Gaps 1;

QY 1 MVAAGCALLAALPAAGALAPRCPCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW 60
DB 1 MVAAGCALLAALPAAGALAPRCPCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGRPAGTVHLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFONSPADEPQPCQYSQESQKSCQLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFONSPADEPQPCQYSQESQKSCQLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTWOD 240
QY 241 PHSNNSFFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQLRAOEERQ 300
DB 241 PHSNNSFFYRLREFLRRAERSKFTTMMVKDLOHCVIHDAMSGLRHVQLRAOEERQ 300
QY 301 GEMSEMSPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVEFMP 360
DB 301 GEMSEMSPEAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 356

Search completed: June 29, 2006, 21:09:24
Job time : 188 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 29, 2006, 21:06:26 ; Search time 20 Seconds

(without alignments)
641.274 Million cell updates/sec

Title: US-09-462-416-7

Perfect score: 1 MAAVGALALALAPAL.....LIRSRKFLQSLRALRQW 543

Sequence: 1 MAAVGALALALAPAL.....LIRSRKFLQSLRALRQW 543

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.New.*
1: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US09_NEW_PUB pep.*
2: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US06_NEW_PUB pep.*
3: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US07_NEW_PUB pep.*
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6: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US10_NEW_PUB pep.*
7: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US11_NEW_PUB pep.*
8: /EMC_Celerra_SIDS3/prodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	938.5	32.8	212	6	US-10-505-928-453 Sequence 453, App
2	938.5	32.8	212	6	US-10-511-937-2489 Sequence 2489, App
3	938.5	32.8	212	6	US-10-933-854-11 Sequence 11, App1
4	303	10.6	368	6	US-10-449-902-38075 Sequence 38075, A
5	201	7.0	422	7	US-11-296-092-32 Sequence 32, App1
6	201	7.0	422	7	US-11-296-155-32 Sequence 32, App1
7	139	4.9	229	7	US-11-287-134-8 Sequence 8, App1
8	128.5	4.5	885	6	US-10-505-928-432 Sequence 432, App1
9	128.5	4.5	885	6	US-10-511-251-465-20 Sequence 20, App1
10	128.5	4.5	1005	7	US-11-259-133-20 Sequence 20, App1
11	127	4.4	894	7	US-11-251-465-21 Sequence 21, App1
12	120	4.2	440	7	US-11-251-465-65 Sequence 65, App1
13	120	4.2	449	7	US-11-251-465-68 Sequence 68, App1
14	119	4.2	4391	7	US-11-183-325-56 Sequence 56, App1
15	113.5	4.0	836	6	US-10-511-937-2988 Sequence 2988, App
16	113	3.9	639	7	US-11-246-999-33 Sequence 33, App
17	113	3.9	639	7	US-11-246-999-149 Sequence 149, App
18	108	3.8	213	7	US-11-263-230-333 Sequence 333, App
19	108	3.8	661	6	US-10-953-349-19030 Sequence 19030, A
20	107.5	3.8	214	7	US-11-219-121-33 Sequence 33, App1
21	107.5	3.8	218	7	US-11-254-182-39 Sequence 39, App1
22	107	3.7	213	7	US-11-263-230-217 Sequence 217, App1
23	107	3.7	213	7	US-11-174-287-6 Sequence 6, App1
24	107	3.7	213	7	US-11-256-060-16 Sequence 16, App1
25	106	3.7	213	7	US-11-263-230-211 Sequence 211, App

26	106	3.7	213	7	US-11-263-230-231 Sequence 231, App
27	106	3.7	213	7	US-11-263-230-233 Sequence 233, App
28	106	3.7	213	7	US-11-263-230-239 Sequence 239, App
29	106	3.7	213	7	US-11-263-230-247 Sequence 247, App
30	106	3.7	572	7	US-11-269-117-2 Sequence 2, App1
31	105.5	3.7	214	7	US-11-219-121-29 Sequence 29, App1
32	105.5	3.7	214	7	US-11-219-121-31 Sequence 31, App1
33	104.5	3.7	233	7	US-11-219-563-130 Sequence 130, App
34	104.5	3.7	635	6	US-10-511-937-2424 Sequence 2424, App
35	104	3.6	213	7	US-11-263-230-229 Sequence 229, App
36	104	3.6	213	7	US-11-263-230-245 Sequence 245, App
37	104	3.6	213	7	US-11-263-230-249 Sequence 249, App
38	104	3.6	213	7	US-11-263-230-255 Sequence 255, App
39	104	3.6	529	7	US-11-154-977-6 Sequence 6, App1
40	104	3.6	529	7	US-11-154-977-81 Sequence 81, App1
41	104	3.6	591	6	US-10-953-349-32069 Sequence 32069, A
42	103	3.6	213	7	US-11-263-230-237 Sequence 237, App
43	103	3.6	213	7	US-11-263-230-318 Sequence 318, App
44	103	3.6	411	7	US-11-154-977-83 Sequence 83, App1
45	103	3.6	1097	6	US-10-449-902-56630 Sequence 56630, A

ALIGNMENTS

```
RESULT 1
US-10-505-928-453      Application US/10505928
; Sequence 453, App1
; Publication No. US20060086532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; PRIORITY FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIORITY FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 453
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-505-928-453

Query Match      32.8%; Score 938.5; DB 6; Length 212;
Best Local Similarity 97.9%; Pred. No. 6.1e-62;
Matches 187; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY      354 LPVEF-MPVPGEDSKDVAAPHROPLTSSERIDKQIRYIIDGISALRKETCNKSMCESS 412
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      22 LPAPAPVPVPGEDSKDVAAPHROPLTSSERIDKQIRYIIDGISALRKETCNKSMCESS 81

QY      413 KEALAENNLNLPMAEKDGFQSGFNEETLVKITTGLEFEVYLEYLQNRPFESSEQAR 472
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      82 KEALAENNLNLPMAEKDGFQSGFNEETLVKITTGLEFEVYLEYLQNRPFESSEQAR 141

QY      473 AVGMSTKVLIOFQOKAKNLDATPTPTNASTLTGLOANOMWLODMTHLIRSRKEF 532
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      142 AVGMSTKVLIOFQOKAKNLDATPTPTNASTLTGLOANOMWLODMTHLIRSRKEF 201

QY      533 LQSSLRALRQW 543
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      202 LQSSLRALRQW 212

RESULT 2
US-10-511-937-2489      Application US/10511937
; Sequence 2489, App1
; Publication No. US2006008836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wohlgenuth, Jay
```

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? APPLICANT: Fry, Kirk
? APPLICANT: Woodward, Robert
? APPLICANT: Ly, Ngoc
? APPLICANT: Prentice, James
? APPLICANT: Morris, Macdonald
? APPLICANT: Rosenberg, Steven
? TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
? TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
? FILE REFERENCE: 506612000104
? CURRENT APPLICATION NUMBER: US/10/511,937
? CURRENT FILING DATE: 2004-10-19
? PRIOR APPLICATION NUMBER: PCT/US2003/012946
? PRIOR FILING DATE: 2003-04-24
? PRIOR APPLICATION NUMBER: US 10/131,831
? PRIOR FILING DATE: 2002-04-24
? PRIOR APPLICATION NUMBER: US 10/325,899
? PRIOR FILING DATE: 2002-12-20
? NUMBER OF SEQ ID NOS: 3117
? SOFTWARE: PatentIn version 3.2
? SEQ ID NO 2489
? LENGTH: 212
? TYPE: PRT
? ORGANISM: Homo sapiens
US-10-511-937-2489

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* Query Match 32.8%; Score 938.5; DB 6; Length 212;
* Best Local Similarity 97.9%; Pred. No. 6,1e-62;
Matches 187; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 354 LPVEF-MPVPPGDSKVAAAPHROPITSSERIDKQIRYIIIDGISALRKETCNKSMCESS 412
Db 22 LPAAFPAPVPPGDSKVAAAPHROPITSSERIDKQIRYIIIDGISALRKETCNKSMCESS 81
QY 413 KEALAENNLLPKAEEDCGCGSGFNETCLVKIITGLIFEVYLYLQRFESSEQAR 472
Db 82 KEALAENNLLPKAEEDCGCGSGFNETCLVKIITGLIFEVYLYLQRFESSEQAR 141
QY 473 AVQNSTKVLQFLQKKAKNLDATTPDPPTNASLITLQAKONQWLODPTTHLILRSFKEF 532
Db 142 AVQNSTKVLQFLQKKAKNLDATTPDPPTNASLITLQAKONQWLODPTTHLILRSFKEF 201
QY 533 LQSSLRALROM 543
Db 202 LQSSLRALROM 212

RESULT 3
US-10-933-854-11
/ Sequence 11, Application US/10933854
/ Publication No. US20060105347A1
/ GENERAL INFORMATION:
/ APPLICANT: GTC Biotherapeutics, Inc.
/ APPLICANT: Meade, Harry
/ APPLICANT: Cox, Geoffrey F.
/ TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammals
/ TITLE OF INVENTION: Milk
/ FILE REFERENCE: GTC-220 PCT
/ CURRENT APPLICATION NUMBER: US/10/933,854
/ CURRENT FILING DATE: 2004-09-03
/ PRIOR APPLICATION NUMBER: 60/500,910
/ PRIOR FILING DATE: 2003-09-05
/ NUMBER OF SEQ ID NOS: 35
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 11
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Human a Interferon Variant 2A
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank/EMBL/DBJ Accession No. CAA00839
DATABASE ENTRY DATE: 1993-12-03

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RELEVANT RESIDUES: (1) .. (212)
US-10-933-854-11

Query Match	32.8%	Score 938.5;	DB 6;	Length 212;
Best Local Similarity	97.9%	Pred. No. 6.1e-62;		
Matches 187; Conservative	0;	Mismatches 3;	Indels 1;	Gaps 1.

Qy	354	LPVFE-MPVPPGEOSKVAAAPHROPLTSSSEIDQIRILLGISALRKETCNKSMCSS	412
Db	22	LPAAFPAPVPPGEOSKVAAAPHROPLTSSSEIDQIRILLGISALRKETCNKSMCSS	81
Qy	413	KEALAENNLM,PKVAEKDQCFQSGFNEBTCVKIITGLLFEFVYLEYLONPFESSEBOAR	472
Db	82	KEALAENNLM,PKVAEKDQCFQSGFNEBTCVKIITGLLFEFVYLEYLONPFESSEBOAR	141
Qy	473	AVOMSTKVLIQFLOKKAKNLDATITPPPTTNASLLTKLOAONOMLODTHILIRSPFEF	532
Db	142	AVOMSTKVLIQFLOKKAKNLDATITPPPTTNASLLTKLOAONOMLODTHILIRSPFEF	201
Qy	533	LOSSLRALROM	543
Db	202	LOSSLRALROM	212

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RESULT 4
US-10-449-902-38075
Sequence 38075, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
APPLICANT: National Institute of Agrobiological Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OR INVENTION: FULL-LENGTH PLANT CDNA AND USES THEREOF
FILE REFERENCE: MOA-A020511-US
CURRENT FILING DATE: US/10/449, 902
CURRENT FILING DATE: 2003-05-29
PRIORITY APPLICATION NUMBER: JP 2002-203269
PRIORITY FILING DATE: 2002-05-30
PRIORITY APPLICATION NUMBER: JP 2002-383870
PRIORITY FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 38075
LENGTH: 368
TYPE: PRT
ORGANISM: Oryza sativa
US-10-449-902-38075

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Query Match	10.6%	Score 103	DB 6	Length 368
Beat Local Similarity	28.4%	Pred. No. 5.1e-15		
Matches 108	Conservative 44	Mismatches 148	Indels 80	Gaps 17
QY	12	LLAARGAALARRCPAOSVARGVLTSLPGDSVLTTCSPVEBEDNATVHVLRRKPAAGSHP	71	
Db	12	VLAAGVAVAYAORH---SQODTHLYERLGSVTLPC-STAAWGTAVTMKRVAGTDLBAHY	67	
QY	72	SRWAGMRRLRLRSVOLHDSGNSCYRAG---BPAGTVHLLVDVPRPPLSCRSKPL	127	
Db	68	N-----GSQLVLEGLDLSHSGHYACQSSWHLYRYQLLH--VGMRRPREPVLTCRNSGYR	120	
QY	128	SNVVCEN---GPRSTPLTTKAVLLVRKE---QNSPAEDFQPCOYSQESQKSCQLAVP	181	
Db	121	KGFYCSMHLSPTPIPTMFTNVTVLHGSKLGLCEKDDPA-----PKNRCHIRYT	167	
QY	182	BGDSFS-YIYSMCVASSVGSKFKTQTFQGGIILQPRPANTVTAVARNRMLVTMMD	240	
Db	168	HLFTVTRYKVTLLVTNALGNH-STAITFDEFTIVKPPPENVAVARPVSSSPRRLEVTWOT	226	
QY	241	PHSW-NNSFYRLRELYRARARSKTFTTWWKDIQHNQ-----VIHDSMGSGRHVQ	291	
Db	227	PSMPPDPDSFELKFKLRRP-----LLDMQHVLESDGTHHTITDAYAGVEYIIQ	277	

QY 292 LRAQEEGQSESEMSPEANGTPTWESRSPAEENEVSTPMQALTTNKDDNILFRDSANA 351
Db 278 VAAKDN-EIGTWSLWSVAHAATPTTEE-----PRYLITTEAQAPET-----T 317
QY 352 TSLPVEFMPVP-----PAGE 365
Db 318 TTTTTSFVPPTTKICDPGE 337

RESULT 5
US-11-296-092-32
; Sequence 32, Application US/11296092
; Publication No. US20060105427A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Batstein, David
; APPLICANT: Batton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geriltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P254BP1C1
; CURRENT APPLICATION NUMBER: US/11/296, 092
; CURRENT FILING DATE: 2005-12-07
; PRIOR APPLICATION NUMBER: US/09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 870
; PRIOR FILING DATE: December 17, 1997
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 32
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-296-092-32

Query Match 7.0%; Score 201; DB 7; Length 422;
Best local similarity 24.7%; Pred. No. 1.8e-07;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

QY 8 LLAALLAAPA-----ALAPRCPAQEVARGVITSLPGDSVTLTGPCVEPEDNATVHW 61
Db 24 LLLCVLCAPRAGSGAHTAVISPCPP-----TLTIGSSILATC-----SVHG- 64
QY 62 LRRPAAGSHSRNAGMGRRL-----LRSVQLHSGNYSCT-RAGRP 102

Db 65 -DPPGATAEGLYTTLNGRRRLPPELSRVLANSTLALANLNGSRQSGNDLVCHARDGSI 123
QY 103 AGTVHLLVDVPEEP-QLSCFRKSPLSNVVCEMP-----RSTPSLTTKAVLVKRF 153
Db 124 LAGSCLYVGLPPEKPVNISCMXKN-MKDLTCRWTPGANGETFLHTNYSLYKX-----LRWY 178
QY 154 -QNSPADPQEPQCYQSGESQKFCQALAVPEGDSF--YIYSMCVASSVSGSKFSTQTFQG 210
Db 179 GQDNTCEHYHTVGP-----SCH--IPKDLALFTPEIWEATNRLSGARSVDLTLDI 229
QY 211 CGILQPPDPAITVTAVARNPRMLSTWODPHSMNSFYRLRPELRARARSKTFTMMV 270
Db 230 LDVYTTDPPDVAVSXRGLEDDLSVRWSPPLKXDLFQAKYQIRYVEDS---VDMKV 286
QY 271 KD---LOHNCVIHDAMSGLRHVYQLRAQEEFG-----QGEWSBWS-PEAMGTPTWESRS 320
Db 287 VDDVSNQTSCLAGLKGRTYFVQVRC-NPFGIYGSKKAGIMSEWSHPTAASRSPRG 345
QY 321 P-----PAENEVSTPMQALTTNKDDNILFR 346
Db 346 PGGAGCEPRGEBSSGPFVRRELKQFLGWLKHAVCNLSFR 386

RESULT 6
US-11-296-155-32
; Sequence 32, Application US/11296155
; Publication No. US20060127983A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Batstein, David
; APPLICANT: Batton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geriltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P254BP1C1
; CURRENT APPLICATION NUMBER: US/11/296, 155
; CURRENT FILING DATE: 2005-12-06
; PRIOR APPLICATION NUMBER: US/09/866, 028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067, 411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069, 334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069, 278
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069, 696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069, 870
; PRIOR FILING DATE: December 17, 1997
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 32
; LENGTH: 422

TYPE: PRT
ORGANISM: Homo Sapien
US-11-296-155-32

Query Match 7.0%; Score 201; DB 7; Length 422;
Best Local Similarity 24.7%; Pred. No. 1.8e-07;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

QY 8 LLAALLAARQ-----ALAPRCRPAQVARGVLTSLPGDSVTLTCGVEPEENATVHWY 61
DB 24 LLLCVLAGAPRAGGAAATAVISPDQ-----TLIGSLATC-----SVHG- 64
QY 62 LRKPAAGSHPRAGMGRL-----LIRSVOLHDSGNYCY-RAGRP 102
DB 65 -DPPGATAGELTYTLNGRRLPRLSKRYLANSTALALANLNGSRQSGDLVCHADGSI 123
QY 103 AGTVHLLVDPREP-QLSCFRKSPLSNVCEWGP-----RSTPSLTTKAVLLVRKE 153
DB 124 LAGSCLYVGLPPEKPVNISCMSKN-MKDLTCRMTPGAHGRTPLHTVSLKYK---LRWY 178
QY 154 -QNSPADFOEPQCYQSQSKFCSCQLAVEGDSF--YIVSMCVASVSGSKFTQTFQG 210
DB 179 GQDNTCEBYHTVGPH-----SCH--IPKDLALFTPYEITWVATNRLGARSADVLTLDI 229
QY 211 CGLIDPPANITVTAVARNPRLSVTWQDPHSMNSFYRLRELYRARSKTFTTWY 270
DB 230 LDVYTTDPPDVAVSRVGLSDQSVRWSPPALKDFLQAKYQIRVEDS---VDMKY 286
QY 271 KD---LQHCVTHDAMSGLRHVVLRAOBEFG-----QGEWSEWS-PEAMGTPTESRS 320
DB 287 VDDVNSQTSCLGLKRGTYFYQVRC-NPFGIYSGKKGIWSEMSPTAASTPRSERPG 345
QY 321 P-----PAENEVSTPMQALTTNKDDNILFR 346
DB 346 PGGACPRGPRSGPVRRELKQFLGWLKGAVCNLSFR 386

RESULT 7

US-11-297-134-8
Sequence 8, Application US/11297134
Publication No. US2006011297A1
GENERAL INFORMATION:
APPLICANT: Genzyme Corporation
APPLICANT: Roberts, Bruce
TITLE OF INVENTION: BLOOD FACTOR DOMAINS
FILE REFERENCE: 5270C
CURRENT APPLICATION NUMBER: US/11/297,134
CURRENT FILING DATE: 2005-12-08
PRIOR APPLICATION NUMBER: PCT/US2005/018461
PRIOR FILING DATE: 2004-06-09
PRIOR APPLICATION NUMBER: US 60/477,291
PRIOR FILING DATE: 2003-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.3
SEQ ID NO 8
LENGTH: 229
TYPE: PRT
ORGANISM: Homo sapiens
US-11-297-134-8

Query Match 4.9%; Score 139; DB 7; Length 229;
Best Local Similarity 23.8%; Pred. No. 0.0029;
Matches 54; Conservative 39; Mismatches 100; Indels 34; Gaps 10;

QY 98 RAGRPAGTVHLLVDPREPQLSC-FRKSPLSNVCEWGRSTPSLTTKAVLLVRKONS 156
DB 21 RKPPPALAT-----LPRVOCRASRYPIA-VDCSWTLPPAPNSTSPVSFIATRYLGM 70
QY 157 PADDPQPCQYSQSKFCQOLA-VPEGDSFYIVSMCVASVSGSKFTQTFQCGCILQ 215
DB 71 AAGGHWPC-LQQTPTSTCTITDVOLFSAAPYLVANTAVHPWGS-SFVPPFTIHLIK 128
QY 216 PDPPANITVTAVARNPRLSVTWQDPHSMN-SSFYRLRFLRYARSKTF-----T 266

DB 129 PDDEGVRSLSPLE--KQLQVOMEPGSPFPEITSLKTIWKIRKQGAARFHVGPLEAT 186
QY 267 TWWXKDLQHCVTHDAMSGLRHVVLRAOBEFGQGEWSEMSPEAMGT 313
DB 187 SFILRAVBRRA-----RYVYVAAQDLTDYGLSDMSLPAAT 224

RESULT 8

US-10-505-928-432
Sequence 432, Application US/10505928
Publication No. US2006008532A1
GENERAL INFORMATION:
APPLICANT: Ludwig Institute for Cancer Research et al.
TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
FILE REFERENCE: 28967/39178
CURRENT APPLICATION NUMBER: US/10/505,928
CURRENT FILING DATE: 2004-08-27
PRIOR APPLICATION NUMBER: US 60/363,019
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 866
SOFTWARE: PatentIn 3.2
SEQ ID NO 432
LENGTH: 885
TYPE: PRT
ORGANISM: Homo sapiens
US-10-505-928-432

Query Match 4.5%; Score 128.5; DB 6; Length 885;
Best Local Similarity 18.0%; Pred. No. 0.1;
Matches 127; Conservative 78; Mismatches 233; Indels 267; Gaps 31;

QY 4 VGCALLAALLAARQ-----ALAPRCRPAQVARGVLTSLPGDSVTLTC---PGVEPED 54
DB 8 MGRVPLAMCLALCGMACMAPRGTAQAESESPVGNPGITGARGLTGRCOLQVQGRPPE- 66
QY 55 NATVHWY-----LRKPAAGSHPRAGMGRLRLRSVOLHDSGNYCY----- 97
DB 67 ---VHWLRDQQLLELADSTQTOVFLGEDEDDMTIVS-QLRITSLQSLDSTGQYQCLVFLG 122
QY 98 ---RAGRPA-----GTVHLLVDPREPQ-----LSCFRKSPLSNVCEWGRPS 138
DB 123 HQFVSGQPGVVGLEGPYFL-----BEDRRTVAANTPFLSGQAQGPPEPVLWLQDA 177
QY 139 TPELTTKAVLLVRKONSAPADFOEPQCYQSQSKFC----- 176
DB 178 VPLATAPG-----HGFORSLHP--GLNKTSSFCSEANNAKGYTSTRATITVLPQ 227
QY 177 -----OLAVEGDSFYIVSMCVASVSGSKFTQTFQCGCIL--OPDPPA 220
DB 228 PRLHLVSKOPTELEVAMTPGLSGIYPLTHCTIQAVALSD-----DGMGIQGEPPDPE 280
QY 221 NITVTAVARNPRLSV-----TWQDPHSMN-----NS 246
DB 281 EPLTSGASVPRHQGLRGLSHPHTRVHIRVACTSQGSSGTHMLPVETREGVLPPEPNI 340
QY 247 SFPR-----LRFELRYARSKTFTTWXKDLQHCVTHDAMSG 286
DB 341 SATRNGSOAFVHQEPRAPLOGTTLGRLAYQGD---TPEVLMDI-----GL 385
QY 287 RHVVLRAOBE-----FGQGEWS-----EMSP-----EAMGTPW- 315
DB 386 RQEVTLLELDGDSVSMLTVCVAAYTAAGGPPMSLPPLPAMRKYKPESTPAFSFWYVL 445
QY 316 -----TESRSPANEVSTPMQALTTNKDDNILFR----- 346
DB 446 LGAIVAAACVLLALFLVHRKKETRYGEVFE---TYERGLVVRVRYRKSYSRTTE 501
QY 347 DSANATSLVEEMFVPPGDSQVAAAPHROPLTSSRIDKQRIYIIDG----- 394
DB 502 ATLNSIGISEBLK---EKLRDVMVDRHKVALGKTIGBGEFPAVNEGQLQNDSDSLKVA 556
QY 395 ISALRKETCNKSMGCESSKEALAEENLNLPRKAEKDG-CFQSGFNEE-TCLVYITITGLE 452

Db 557 VKTKMKAICRSLSELEPFLSEAVOMKEFDHPNNMRLIGVCFOGSESESPAPVILPMMKH 616

QY 453 FEVYLEYLNRRFESSSEQARAVQWSTKVLIQLOKAKNLAITTT 497

Db 617 GDHSFLYSRLGD-----QPVYLPQWLVKRMADIASGMELST 656

```

RESULT 9
US-11-251-465-20
; Sequence 20, Application US/11251465
; Publication NO. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; TITLE OF INVENTION: Inflammatory Diseases
; FILE REFERENCE: P30, 172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 20
; LENGTH: 885
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-20

```

Query Match	4.5%;	Score 128.5;	DB 7;	Length 885;
Best Local Similarity	18.0%;	Pred. No. 0.1;		
Matches 127; Conservative	78;	Mismatches 233;	Indels 267;	Gaps 31

```

Oy 347 0SAANATSLPVEFMVBPBGEDSKDVAAHPROPTSEERIDIKOJRYIJD----- 394
Db 502 ATLNSLGISEELK-----EKLRDVAVNDRHKAALGTLGEGEFGAVNEGQLONDSTLKA 556
Oy 395 ISALRKETCNKSNMCESSKEALAEENNLIPKMAEKDG-CFOSGFNEE-TCLVKITGLE 455
Db 557 VKTMKIALICTSELEDFLSEAVCMKEPDPHNMRLIGVFOGSEKRSFAPVILPMMK 616
Oy 453 FEVYLEYLQNRFFSESEBOARAVOMSTKVLIQLOKAKNLDIAIT 497
Db 617 GDLSFLYSRLGD-----QPVYLETQMLVKMALDIASMEYLIST 656

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```

, RESULT 10
, US-11-259-133-20
, Sequence 20, Application US/11259133
, Publication No. US20060121042A1
, GENERAL INFORMATION:
, APPLICANT: Dall'Aqua, William
, APPLICANT: Damschroder, Melissa
, APPLICANT: Kinch, Michael
, APPLICANT: Carles-Kinch, Kelly
, TITLE OF INVENTION: MODULATION OF ANTIBODY SPECIFICITY BY TAILORING THE AFFINITY TO
, TITLE OF INVENTION: COGNATE ANTIGENS
, FILE REFERENCE: EP700US
, CURRENT APPLICATION NUMBER: US/11/259,133
, CURRENT FILING DATE: 2005-10-27
, PRIOR APPLICATION NUMBER: 60/6522,711
, PRIOR FILING DATE: 2004-10-27
, PRIOR APPLICATION NUMBER: 60/717,209
, PRIOR FILING DATE: 2005-09-16
, NUMBER OF SEQ ID NOS: 205
, SOFTWARE: PatentIn version 3.3
, SEQ ID NO 20

```

```

FEATURE: ..: none
NAME/KEY: BINDING
LOCATION: (31)...(204)
OTHER INFORMATION: Ephrin receptor ligand binding domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (191)...(325)
OTHER INFORMATION: cysteine-rich region
FEATURE:
NAME/KEY: CHAIN
LOCATION: (329)...(424)
OTHER INFORMATION: Fibronectin type 3 domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (440)...(531)
OTHER INFORMATION: Fibronectin type 3 domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (635)...(892)
OTHER INFORMATION: Tyrosine kinase, catalytic domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (934)...(992)
OTHER INFORMATION: SAM Domain (Sterile alpha motif)
US-11-259-133-20

```

Query	Reference	Score	Length	Matches	Mismatches	Indels	Gaps
341 SATRNSGQAVHMOEPAPLQGLTGLVRLAYQGD	341 SATRNSGQAVHMOEPAPLQGLTGLVRLAYQGD	4.5%	1005	107	164	215	31
287 RHVQVLAQOE	287 RHVQVLAQOE	19.1%	1012	74	164	215	31
386 RQEVTLTQDGSVSNITVCAATYTAAGDPSMLPPLPELAKRPKEPSTPAISFWVYL	386 RQEVTLTQDGSVSNITVCAATYTAAGDPSMLPPLPELAKRPKEPSTPAISFWVYL	19.1%	1012	74	164	215	31
316 -----TESRSPAPENVEYSTPMQALTTNKODNITLF-----	316 -----TESRSPAPENVEYSTPMQALTTNKODNITLF-----	19.1%	1012	74	164	215	31
446 LGAVVAAACVLLALFLVHRKKEKTRVGEVFEF-----TVRGEGLVVRYVRKVSYSRRTTE	446 LGAVVAAACVLLALFLVHRKKEKTRVGEVFEF-----TVRGEGLVVRYVRKVSYSRRTTE	19.1%	1012	74	164	215	31
25 CPAQEVARGVLSLPDSDYTLTQCPVEPRDNTATVWLRKPAAGSHPSRMAGMRLLR	25 CPAQEVARGVLSLPDSDYTLTQCPVEPRDNTATVWLRKPAAGSHPSRMAGMRLLR	19.1%	1012	74	164	215	31
273 CVACEL--GPTYSAPEDQACAP--PFSHAA-----PAAQ--	273 CVACEL--GPTYSAPEDQACAP--PFSHAA-----PAAQ--	19.1%	1012	74	164	215	31
85 SVQHDGNSGNCYRAGRPAGTVHLIVDPPEEPQSLCFR--KSPV-----SNVCEW	85 SVQHDGNSGNCYRAGRPAGTVHLIVDPPEEPQSLCFR--KSPV-----SNVCEW	19.1%	1012	74	164	215	31

```

Db 307 ---CHODLSY--YRAL-----DPPSSACTRPPAPVNLISSVNGTSVLEW 348
QY 135 GPRSTP---SLTTKAVLVKRFQNSPAEDFOEPCQYOSQKSCQLAVBEGDSSFYIY 190
Db 349 APPLDPCGRSDITYNAV-----CR-----RCFMA-----L 373
QY 191 SMCVASSVSGKFSKFTQF-----FOGCGILQDPD---PAN 222
Db 374 SRCEACGSGTRFVPOQSLVQASLVANLHAMNYSFWLEAVNGVSDLSPEPRRAVNT 433
QY 223 TV-----TAVARNPR---WLSVTWQDPHSMNSFYRLRFLRYARSKFTTM-WV 270
Db 434 TTQOAPPSQVNVVROEAGQTSVLSLMQEBEQNGII--LEYEIKY-YEKDKMOQSVSTL 490
QY 271 KDIQHCIVHDAMSGLRHVQVLAQOEFQCGEWSNSPEAMGTPTWESRSPPEANEVSTP 330
Db 491 KATTRATVYSGLRGTRVYQVRAKTSAGGRPS---QAME---VETGPRRRTYTRIT 543
QY 331 MQALTT-----NKDDNILFRDSANATSLPVEFMPV--P 362
Db 544 VMCICLITLITGLVLLLLIKKXHCYSKAFQDSDEKXHYQ---NGQAPPPVFLPLHP 600
QY 363 PGE--DSKQVAAEH--RQPLTSSERIDKQIRYILDIGISALRKETCNKSNMCESSKALAE 418
Db 601 PGKLPFQFYABPHYTEEPGRAGRSFTREI-----EASR-----634
QY 419 NNINLEPKMAKDCQFQSGFNEFTCLYKI--ITGLLEFVYLEYONPRESEBQARAVONS 477
Db 635 --HIEKI-----ISGDSGEVCYGRIRVQQRDVPAIKALKAGY--TERQRRDPLSE 684
QY 478 TKVLIQFLOKAKNLDIAIT 497
Db 685 ASIMQDFDHPNITRLSGVTT 704

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RESULT 11
US-11-251-465-21
/ Sequence 21, Application US/11251465
/ Publication No. US20060094061A1
/ GENERAL INFORMATION:
/ APPLICANT: Brys, Reginald
/ APPLICANT: Vandeghinste, Nick
/ APPLICANT: Tomme, Peter
/ APPLICANT: Klaassen, Hubertus
/ TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
/ TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
/ FILE REFERENCE: P30, 172-A USA
/ CURRENT APPLICATION NUMBER: US/11/251,465
/ PRIOR FILING DATE: 2005-10-14
/ PRIOR APPLICATION NUMBER: 60/619,384
/ PRIOR FILING DATE: 2004-10-15
/ NUMBER OF SEQ ID NOS: 880
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 21
/ LENGTH: 894
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-251-465-21

Query Match 4.4%; Score 127; DB 7; Length 894;
Best Local Similarity 18.0%; Pred. No. 0.13;
Matches 132; Conservative 80; Mismatches 208; Indels 312; Gaps 35;

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QY 4 VGCALALALAPG--AALAPRRCPADQEA-----RGVLTSPDSDSVTLTC---PGVEPED 54
Db 8 MGRVPLAMCLALGMACMAPRGQAERSPVGNPNGITGARGLTGTRQLQYQGSPPF--66
QY 55 NATVHVY-----LRKPAAGSHPSRMAKMGRRLLNSVOLHDSGNTSCY---97
Db 67 ---VHMRLDQOILDELSTQTVPLGEDBDMDWLVVS--QLRITSLQSLSDGQYCLVFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPRPEPQ-----LSCPRKSPPLSNVCEMGPFS 138

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Db 123 HQTFVSQPGYGLGEGIPFL-----EEEDRIVAAANTPNNLSQAOQEPPEVDULLQDA 177
QY 139 TPSLTTKAVLVKRFQNSPAEDFOEPCQYOSQKSC-----176
Db 178 VPLATAPG-----HGFORSILHVP--GLNTSSPSCBAHNAKVTSRTATITVLPQ 227
QY 177 -----QLAVEGDSSTFIYVCMCASSYSGSKFTQTOGCGIL--QDPDPA 220
Db 228 PNNILVSRQPTLELVAMTPGLSGIYPLTRCTLQAVLSD-----DGMGIQGEEDPPE 280
QY 221 NITVTAVANPRMLVSTWQDPHSMNSFYRLRFLRYARSKFTTMWKDLOHHCIVH 280
Db 281 E-PLTQASVP-----PH-----QLR-----LGSILHPTPH 306
QY 281 DAWSGLRHVQVLAQOEFQCGEWSNS--SPEA--MGTP-----WTESR 319
Db 307 -----IRVACTSQGPPSSWTWMLPVETEGVGLGPPENISATRNGSQAFVHMQEPR 357
QY 320 SP-----PAENEVSTP-----MQALTTNKDDNILFRDSANAT-----352
Db 358 APLOGTLLGYRLAYQGDTPVLMDIGRQEVTLLEQDGSV---SNLTVCVAAYTAAG 413
QY 353 ---SLPVEFMPVPGEDS-----KDVAP-----H 374
Db 414 DGPWSLPVLEAMRPGQAPVHQVKEPSTPAFSPWVWVYLGAVVAACVLIALFLVH 473
QY 375 ROPLTSS-----ERIDKQIRYILDIGISALR--KETCNKSNMCESSKREALAENNL 423
Db 474 RKRKTRGVSEVPEPTVERGELVYRVKRSYRRTTEATLNSIGISEBKELRDVMDVR 533
QY 424 PKKA-----EKDQCFQSGFNEFTCLYKIITGLLEFVYL-----EYLQNR-----463
Db 534 HKVALGKTIGBGEFQVAMGQNLNDDSDILKVAVKTKIAICTRSLEDEPLSEAKVEKD 593
QY 464 -----FESSSEQA-----RAVOMSTKVLIOFL 485
Db 594 HPMVMLIGVCQGSRSRSPAPVVLPPMKQDHLSPILYSRLSGQPPVLTPLQMLVKFM 653
QY 486 OKKAKNLDIAIT 497
Db 654 ADIASGMEYLST 665

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RESULT 12
US-11-251-465-65
/ Sequence 65, Application US/11251465
/ Publication No. US20060094061A1
/ GENERAL INFORMATION:
/ APPLICANT: Brys, Reginald
/ APPLICANT: Vandeghinste, Nick
/ APPLICANT: Tomme, Peter
/ APPLICANT: Klaassen, Hubertus
/ TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
/ TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
/ FILE REFERENCE: P30, 172-A USA
/ CURRENT APPLICATION NUMBER: US/11/251,465
/ PRIOR FILING DATE: 2005-10-14
/ PRIOR APPLICATION NUMBER: 60/619,384
/ NUMBER OF SEQ ID NOS: 880
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 65
/ LENGTH: 440
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Protein domain
US-11-251-465-65

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Query Match 4.2%; Score 120; DB 7; Length 440;
Best Local Similarity 20.9%; Pred. No. 0.17;

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RESULT 13
US-11-251-465-68
; Sequence 68, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; TITLE OF INVENTION: Inflammatory Diseases
; FILE REFERENCE: P30,172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 68
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
; US-11-251-465-68

```

[illegible]

```

RESULT 14
US-11-183-325-56
; Sequence 56, Application US/11183325
; Publication No. US20060104898A1
; GENERAL INFORMATION:
; APPLICANT: Vanderbilt University
; APPLICANT: Hallahan, Dennis E
; APPLICANT: Ou, Shimiian
; TITLE OF INVENTION: IN VIVO PANNING FOR LIGANDS TO RADIATION-INDUCED MOLECULES
; FILE REFERENCE: 1242/47/2/2 CIP
; CURRENT APPLICATION NUMBER: US/11/183,325
; PRIOR FILING DATE: 2005-07-15
; PRIOR APPLICATION NUMBER: US 60/326123
; PRIOR FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US 10/259,087
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 56
; LENGTH: 4391
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: P98160
; DATABASE ENTRY DATE: 2003-02-28
; RELEVANT RESIDUES: (1)..(4391)
US-11-183-325-56

```

	Query March	4.2%;	Score 119;	DB 7;	Length 4391;
	Best Local Similarity	26.5%;	Pred. No. 4.1;		
	Matches	65;	Conservative	22;	Mismatches 98; Indels 60; Gaps 14
Qy	3	AVGCALLAALLAABGAAALAPRCPAEOEVARGVLTSLPGDSVTLTQCPGVEPDNATVHM-V	61		
Db	3190	ALGTAQAKQVEYIVDTGAMAP-GAPQVOVAEEAEELTVEAGHTLTLC-SATGSPAPITHMKS	3244		
Qy	62	LKRAASHSDSRMAGMRBRLILRSVQLHDSGANSCYAAGRAG---TVHLIIVDP---	114		
Db	3248	LRSDLPQWHRLE---GDTLITPRVAQDSDSQYIC-NNTSPAGHAETIILHSESPAT	3302		
Qy	115	-----EEPDLSCFRKSPLSNVNCWEGPRSTPSLITKAVILVRRFONSPEADFOE	163		
		-----	-----	-----	-----
Db	3303	TVEPHASVQAGETVQLQCL-----AHGTPLLT-----FQMSRVGS-SL	3333		
		-----	-----	-----	-----
Qy	164	PCQYSQSDSQKPSQCLAVPEGDSSFYIYSMC-VASVSGSKSEKQTQPGCGILOPPRPANI	222		
Db	3340	PGRTATNEILLHFRAPE-DSGRY---RCKVTNKGSAEAFQ-----LLVQSPPSL	3385		

QY 223 TVTAV 227
 Db 3390 PATSI 3394

RESULT 15

US-10-511-937-2988
 ; Sequence 2988, Application US/10511937
 ; Publication No. US2006008836A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
 ; APPLICANT: Mohlgemuth, Jay
 ; APPLICANT: Fry, Kirk
 ; APPLICANT: Woodward, Robert
 ; APPLICANT: Ly, Ngoc
 ; APPLICANT: Prentice, James
 ; APPLICANT: Morris, MacDonald
 ; APPLICANT: Rosenberg, Steven
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
 ; TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
 ; FILE REFERENCE: 506612000104
 ; CURRENT APPLICATION NUMBER: US/10/511,937
 ; CURRENT FILING DATE: 2004-10-19
 ; PRIOR APPLICATION NUMBER: PCT/US2003/012946
 ; PRIOR FILING DATE: 2003-04-24
 ; PRIOR APPLICATION NUMBER: US 10/131,831
 ; PRIOR FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: US 10/325,899
 ; PRIOR FILING DATE: 2002-12-20
 ; NUMBER OF SEQ ID NOS: 3117
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2988
 ; LENGTH: 836
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-511-937-2988

Query Match 4.0%; Score 113.5; DB 6; Length 836;

Best Local Similarity 20.1%; Pred. No. 1.2; Matches 84; Conservative 59; Mismatches 161; Indels 113; Gaps 23;

QY 6 CALLAA---LAAAGAAAPRCQAQVARGVLTSLP---GDSVTLT-----CPGVBP 52
 Db 7 CSLTMAALITLLPGSL-----ECCGHISVSAPYVHLDPTASCITIKONCSHLDP 57
 QY 53 EDNATVHWVL-RKPAAGSHPSRWAGMGRLLRSVOL-HDSGNYSC----- 96
 Db 58 EPQ--ILMRLGABIQFGRGQRLSDGTQESITLPHLNTQAFLSCCLMWGNSLQILDQV 115
 QY 97 -YRAGRPAGTVHLVDVPRPEPOLSCPRKSPLSNVCEMGPRSTPSLTTKAVLVLRKPN 155
 Db 116 ELRAGYPPALPH-----NLSCLMNLTSSLICQWEPGETHLPTSFTLKFSRSG 165
 QY 156 SPAEDFOEPQYQES-----OKFSCQLAVPREGDSFYI---VSMCVASSVGSKFS 203
 Db 166 N-----CQTQDSILDCVPRDQSHCC---IPRKHLLYQMGIVQABENALGTSMS 214
 QY 204 KTQTFQCGCGLIQDPPANITV---TAVARNPMLSVTWODPSWNSSFY-RLRFLRLYR 258
 Db 215 POLCLPMDVVKLEPMLRTMDPSPEAAPQAGCLQCMW---PMQGLHINQKCELRLHK 271
 QY 259 AERSKFTTMM-----VKLOHH-CYIHAMSGLRHVQLRAOBERGCGEMSEMSPEAM 311
 Db 272 PORG--ASWALVGPLPLEALQYELCGLLPATA---YTLQIRCIWPLPLPGHMSDWSPSL- 325
 QY 312 GTPWTSRSPPAENEVSTPMQALTTNKDDNIIIFRD-SANATSLPYEFMVPPEGDS 367
 Db 326 -----ELRTTERAFTVRLD---TWMRQQLDPRIVQLFWKVPVLEBDS 365

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 29, 2006, 21:09:42 ; Search time 51 Seconds
(without alignments)
949.107 Million cell updates/sec

Title: US-09-462-416-7THEN1THEN7
Sequence: 2912
1 MNAVGCALLAALAAPGAL.....LIRSFKEFLQSSIRALRQM 553

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

1: /EMC_Celerra_SIDS3/prodata/2/iaa/5.COMB.pep:*

2: /EMC_Celerra_SIDS3/prodata/2/iaa/6.COMB.pep:*

3: /EMC_Celerra_SIDS3/prodata/2/iaa/7.COMB.pep:*

4: /EMC_Celerra_SIDS3/prodata/2/iaa/H.COMB.pep:*

5: /EMC_Celerra_SIDS3/prodata/2/iaa/PCTUS.COMB.pep:*

6: /EMC_Celerra_SIDS3/prodata/2/iaa/RE.COMB.pep:*

7: /EMC_Celerra_SIDS3/prodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1927.5	66.2	592	2	US-09-313-942-8
2	1927.5	66.2	592	2	US-10-282-162-8
3	1917	65.8	468	2	US-08-795-473B-5
4	1917	65.8	468	2	US-09-439-856-5
5	1917	65.8	468	2	US-09-949-016-5959
6	1917	65.8	468	7	5171840-2
7	1917	65.8	468	7	5171840-2
8	1910	65.6	360	2	US-09-313-942-15
9	1910	65.6	360	2	US-10-282-162-15
10	1852	63.6	344	7	5171840-7
11	1852	63.6	344	7	5480796-7
12	1789	61.4	1158	2	US-09-313-942-26
13	1789	61.4	1158	2	US-10-282-162-26
14	1783	61.2	1168	2	US-09-313-942-24
15	1783	61.2	1168	2	US-10-282-162-24
16	1741	59.8	323	7	5171840-6
17	1741	59.8	323	7	5480796-6
18	1683	57.8	315	2	US-09-313-942-16
19	1683	57.8	315	2	US-10-282-162-16
20	1479	50.8	388	2	US-09-949-016-9852
21	1388	47.7	386	7	5171840-5
22	1388	47.7	386	7	5480796-5
23	1153	39.6	210	2	US-09-043-785-1
24	951.5	32.7	232	2	US-09-949-016-10315
25	950	32.6	201	7	5171840-11
26	947.5	32.5	212	1	US-08-792-019B-9

27	947.5	32.5	212	2	US-08-988-819-9	Sequence 9, Appli
28	947.5	32.5	212	2	US-09-016-534-9	Sequence 9, Appli
29	947.5	32.5	212	2	US-08-097-869-7	Sequence 7, Appli
30	947.5	32.5	212	2	US-08-795-473B-6	Sequence 6, Appli
31	947.5	32.5	212	2	US-09-230-637-45	Sequence 27, Appli
32	947.5	32.5	212	2	US-09-230-371A-27	Sequence 6, Appli
33	947.5	32.5	212	2	US-09-439-856-6	Sequence 13, Appli
34	947.5	32.5	212	2	US-09-462-941-13	Sequence 145, App
35	947.5	32.5	212	7	5510472-2	Sequence 145, App
36	945	32.5	317	2	US-08-468-609A-145	Sequence 145, App
37	945	32.5	317	2	US-08-446-872A-145	Sequence 145, App
38	945	32.5	317	2	US-08-762-227A-145	Sequence 145, App
39	945	32.5	317	5	PCT-US95-01185-145	Sequence 14, Appli
40	945	32.3	212	2	US-09-487-792-14	Sequence 14, Appli
41	939.5	32.3	212	2	US-09-908-594-14	Sequence 2, Appli
42	939.5	32.2	185	1	US-08-716-317-7	Sequence 2, Appli
43	939	32.2	184	1	US-08-567-047-2	Sequence 2, Appli
44	934	32.1	184	1	US-08-567-048-2	Sequence 2, Appli
45	934	32.1	184	1	US-08-567-048-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1									
US-09-313-942-8									
Sequence 8, Application US/09313942									
Patent No. 6472179									
GENERAL INFORMATION:									
APPLICANT: REGENERON PHARMACEUTICALS, INC.									
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING									
FILE OF INVENTION: AND USING									
FILE REFERENCE: REG 203-A									
CURRENT APPLICATION NUMBER: US/09/313,942									
CURRENT FILING DATE: 1999-05-19									
PRIOR APPLICATION NUMBER: 09/313,942									
PRIOR FILING DATE: 1999-05-19									
PRIOR APPLICATION NUMBER: 60/101,858									
PRIOR FILING DATE: 1998-09-25									
NUMBER OF SEQ ID NOS: 32									
SOFTWARE: FastSeq for Windows Version 3.0									
SEQ ID NO 8									
LENGTH: 592									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-313-942-8									
Query Match 66.2%; Score 1927.5; DB 2; Length 592;									
Best Local Similarity 72.8%; Pred. No. 6.9e-162;									
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;									
Qy	1	MNAVGCALLAALAAPGALAPRCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW	60						
Db	1	MNAVGCALLAALAAPGALAPRCPAOEVARGVLTSPGDSVTLTCGVEPEDNATVHW	60						
Qy	61	VLKRPAGSHPSRWAGRRLLRSVOLHDSGNSCYRAGRPACTVHLVDVPEEPOLS	120						
Db	61	VLKRPAGSHPSRWAGRRLLRSVOLHDSGNSCYRAGRPACTVHLVDVPEEPOLS	120						
Qy	121	CFKRSPLSNVVCCEGPRSTSLTTKAVLVKRPONSPADEPQOVSQESQKSCQAV	180						
Db	121	CFKRSPLSNVVCCEGPRSTSLTTKAVLVKRPONSPADEPQOVSQESQKSCQAV	180						
Qy	181	PEGSSFYIVSMCAVSVGSKFSKTQFOGCGIIQDPDPANITVTAARNRWLSVTWQD	240						
Db	181	PEGSSFYIVSMCAVSVGSKFSKTQFOGCGIIQDPDPANITVTAARNRWLSVTWQD	240						
Qy	241	PHSNNSFYRLRFLRYRARSKTFTTWVVDLOHCVIHDAMSGLRHVVOVLRQEEFGQ	300						
Db	241	PHSNNSFYRLRFLRYRARSKTFTTWVVDLOHCVIHDAMSGLRHVVOVLRQEEFGQ	300						
Qy	301	GENSEMPAMGFTWSTESRSPPAENEVSTPMQALTTKDDNLIIFRSANNTSLPVBERG-	359						
Db	301	GENSEMPAMGFTWSTESRSPPAENEVSTPMQALTTKDDNLIIFRSANNTSLPVBERG-	359						

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Db      301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVOQAG 360
Qy      360 -----AGLVGQ-----FMPVPEGDSKVAAHPROL-----TSSER 393
Db      361 EFKSCDKHTTCPCPAPBELGSPVFLFPKP-----KOTLMSRTPEVTCVVVDVSHED 415
Qy      394 IDKQIYIIDGI-----SALKRETCKNSMCESSKEALAEENLN-----LPK 435
Db      416 PEVKFMWYDGVVHNAKTKPREBQYNSTYRVVSVLTVTHQDMLNGKEYCKVSNALPRA 475
Qy      436 MAEKDCGFCGSGFNEE-----TCLYKIITGLLEFVYLEYLN 472
Db      476 PIEKTISKAKGQPREPQVYTLTPSRDELTKNQVSLTCLVK---GFPYSDIAVEMESN 529

RESULT 2
US-10-282-162-8
; Sequence 8, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FaastsEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8

Query Match      66.2%; Score 1927.5; DB 2; Length 592;
Best Local Similarity 72.8%; Pred. No. 6,9e-162;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

Qy      1 MLAVGALLAALAAAGALAPRCPAEOVARAGVLTSLPDSVTLTCPGVEPDNATVHM 60
Db      1 MAVVGALLAALAAAGALAPRCPAEOVARAGVLTSLPDSVTLTCPGVEPDNATVHM 60
Qy      61 VLKPPAGSHPSWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLVDVPEEPOLs 120
Db      61 VLKPPAGSHPSWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLVDVPEEPOLs 120
Qy      121 CPKSPLSNVVCCWGRSTPSLTTKAVLVLRKFQNSPAEDFOEPCQYSOSQKFSQCLAV 180
Db      121 CPKSPLSNVVCCWGRSTPSLTTKAVLVLRKFQNSPAEDFOEPCQYSOSQKFSQCLAV 180
Qy      181 PEGDSSFYIYVSMCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Db      181 PEGDSSFYIYVSMCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Qy      241 PHSWNSFYRLRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Db      241 PHSWNSFYRLRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Qy      301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFG- 359
Db      301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFG 360
Qy      360 -----AGLVGQ-----FMPVPEGDSKVAAHPROL-----TSSER 393
Db      361 EFKSCDKHTTCPCPAPBELGSPVFLFPKP-----KOTLMSRTPEVTCVVVDVSHED 415
Qy      394 IDKQIYIIDGI-----SALKRETCKNSMCESSKEALAEENLN-----LPK 435
Db      416 PEVKFMWYDGVVHNAKTKPREBQYNSTYRVVSVLTVTHQDMLNGKEYCKVSNALPRA 475

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Qy      436 MAEKDCGFCGSGFNEE-----TCLYKIITGLLEFVYLEYLN 472
Db      476 PIEKTISKAKGQPREPQVYTLTPSRDELTKNQVSLTCLVK---GFPYSDIAVEMESN 529

RESULT 3
US-08-795-473B-5
; Sequence 5, Application US/08795473B
; Patent No. 6217858
; GENERAL INFORMATION:
; APPLICANT: Galun, Elhan
; APPLICANT: Nahot, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,473B
; FILING DATE: 11-FEB-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963,1007
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
US-08-795-473B-5

Query Match      65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4.1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

Qy      1 MLAVGALLAALAAAGALAPRCPAEOVARAGVLTSLPDSVTLTCPGVEPDNATVHM 60
Db      1 MLAVGALLAALAAAGALAPRCPAEOVARAGVLTSLPDSVTLTCPGVEPDNATVHM 60
Qy      61 VLKPPAGSHPSWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLVDVPEEPOLs 120
Db      61 VLKPPAGSHPSWAGMGRRLILRSVQLHDSGNYSCYRAGRPAQTVHLVDVPEEPOLs 120
Qy      181 PEGDSSFYIYVSMCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Db      181 PEGDSSFYIYVSMCVASVSGSKFSKTOTFOCGGILQDPDPANITVTVAARNPRLSTVMOD 240
Qy      241 PHSWNSFYRLRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Db      241 PHSWNSFYRLRLRELRYRARSKTFTTMVKDLOHHCVIDAWSGLRHVVQLAQBEPFG 300
Qy      301 GEMSEMSPEAMGTPMTESRSPPAENEVSTPMQALTTNKDDNITLFRDSANATSLPVEFGA 360

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Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDSS 360
QY 361 G-----LVIGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 4
US-09-439-856-5
; Sequence 5, Application US/09439856
; Patent No. 641009
; GENERAL INFORMATION:
; APPLICANT: Galun, Eithan
; APPLICANT: Nahoc, Orit
; APPLICANT: Blum, Herbert E.
; TITLE OF INVENTION: A Pharmaceutical Composition for Treating
; TITLE OF INVENTION: Hepatitis B Virus (HBV) Infection
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Davidson, Davidson and Kappel, LLC
; STREET: 1140 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS-DOS EDITOR
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/439,856
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/795,473
; FILING DATE: 11-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Davidson, Clifford M.
; REGISTRATION NUMBER: 32,728
; REFERENCE/DOCKET NUMBER: 963,1007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)-997-1028
; TELEFAX: (212)-997-1037
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; US-09-439-856-5

Query Match 65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

QY 1 MLAVGALLAALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
Db 1 MLAVGALLAALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGNGRRLLRSVOLHDSGNTSCYRAGRPAGTVHLLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRWAGNGRRLLRSVOLHDSGNTSCYRAGRPAGTVHLLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLLVRKFNPSPAEDFOEPCOYSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLLVRKFNPSPAEDFOEPCOYSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
QY 241 PHSNNSFYRLRFLRLRAERSKFTTMMVNDLOHCVIHAMSGLRHVQLRAOEERGO 300
Db 241 PHSNNSFYRLRFLRLRAERSKFTTMMVNDLOHCVIHAMSGLRHVQLRAOEERGO 300

Db 241 PHSNNSFYRLRFLRLRAERSKFTTMMVNDLOHCVIHAMSGLRHVQLRAOEERGO 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDSS 360
QY 361 G-----LVIGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 5
US-09-949-016-5959
; Sequence 5959, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5959
; LENGTH: 468
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-5959

Query Match 65.8%; Score 1917; DB 2; Length 468;
Best Local Similarity 96.8%; Pred. No. 4,1e-161;
Matches 360; Conservative 2; Mismatches 4; Indels 6; Gaps 1;

QY 1 MLAVGALLAALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
Db 1 MLAVGALLAALAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGNGRRLLRSVOLHDSGNTSCYRAGRPAGTVHLLVDPPEEPOLS 120
Db 61 VLKPPAAGSHPSRWAGNGRRLLRSVOLHDSGNTSCYRAGRPAGTVHLLVDPPEEPOLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLLVRKFNPSPAEDFOEPCOYSQESQKSCOLAV 180
Db 121 CFRKSPLSNVVCEWGPSTPSLTITKAVLLVRKFNPSPAEDFOEPCOYSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
Db 181 PEGDSSFYIVSMCAVSSVGSFKSKTQTFQGGGIIQDPDPANITYTAAVARNRMLSVTWOD 240
QY 241 PHSNNSFYRLRFLRLRAERSKFTTMMVNDLOHCVIHAMSGLRHVQLRAOEERGO 300
Db 241 PHSNNSFYRLRFLRLRAERSKFTTMMVNDLOHCVIHAMSGLRHVQLRAOEERGO 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDSS 360
QY 361 G-----LVIGG 366
Db 361 SVPLPTFLVAGG 372

RESULT 6
5171840-2
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU

[illegible]

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Db      121  CFRKSPISLVNVCWCGPRSTPELTTKVALVLVKKFQNSPAEDPQEPQVQSQESQKFCQLAV 180
Qy      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGGIIQDPDPANITVTAVARNPMLSVTMOD 240
Db      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGGIIQDPDPANITVTAVARNPMLSVTMOD 240
Qy      241  PHSNNSFYRLRFELRYAERSKFTFTTMVVDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Db      241  PHSNNSFYRLRFELRYAERSKFTFTTMVVDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Qy      301  GEMSEWSPKAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVEFGA 360
Db      301  GEMSEWSPKAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVDQSS 360
Qy      361  G-----LVIGG 366
Db      361  SVPLPFLVAVGG 372

RESULT 8
US-09-313-942-15
; Sequence 15, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

Query Match      65.6%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 1,1e-160;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MLAVGALLAALLAAPGAALAPRCQPAQEVARGVLTSLPGDSVTLTCGPVEPEDNATVHM 60
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1  MVAAGCALLAALLAPGAALAPRCQPAQEVARGVLTSLPGDSVTLTCGPVEPEDNATVHM 60
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy      61  VLRRPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPACTVHLLDVVPPEPOL 120
Db      61  VLRRPAAGSHPSRWAGMGRRLILRSVOLHDSGNTSCYRAGRPACTVHLLDVVPPEPOL 120
Qy      121  CFRKSPISLVNVCWCGPRSTPELTTKVALVLVKKFQNSPAEDPQEPQVQSQESQKFCQLAV 180
Db      121  CFRKSPISLVNVCWCGPRSTPELTTKVALVLVKKFQNSPAEDPQEPQVQSQESQKFCQLAV 180
Qy      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGGIIQDPDPANITVTAVARNPMLSVTMOD 240
Db      181  PEDGSSFYIVSMCVASSVGSKFSTQTFQCGGIIQDPDPANITVTAVARNPMLSVTMOD 240
Qy      241  PHSNNSFYRLRFELRYAERSKFTFTTMVVDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Db      241  PHSNNSFYRLRFELRYAERSKFTFTTMVVDLOHHCIVIHAMSGLRHVVOQLRAQEBFQ 300
Qy      301  GEMSEWSPKAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVE 357
Db      301  GEMSEWSPKAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIIFRDSANATSLPVO 357

RESULT 9

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US-10-282-162-15
; Sequence 15, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-15

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Query Match      65.6%; Score 1910; DB 2; Length 360;
Best Local Similarity 99.4%; Pred. No. 1,1e-160;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60
DB 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
DB 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
DB 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357
DB 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357

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RESULT 10
5171840-7
; Patent No. 5171840
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: RECEPTOR PROTEIN FOR HUMAN B CELL
; STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7
; LENGTH: 344
5171840-7

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Query Match      63.6%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 1,4e-155;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60
DB 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60

```

```

QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
DB 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
DB 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357
DB 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357

```

```

RESULT 11
5480796-7
; Patent No. 5480796
; APPLICANT: KISHIMOTO, TADAMITSU
; TITLE OF INVENTION: ANTIBODIES AGAINST THE RECEPTOR PROTEIN
; FOR HUMAN B CELL STIMULATORY FACTOR-2
; NUMBER OF SEQUENCES: 8
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/907,650
; FILING DATE: 02-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 298,694
; FILING DATE: 19-JAN-1989
; SEQ ID NO: 7
; LENGTH: 344
5480796-7

```

```

Query Match      63.6%; Score 1852; DB 7; Length 344;
Best Local Similarity 100.0%; Pred. No. 1,4e-155;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60
DB 1 MNAVGCALLAALLAALPAAGALAPRCRPAQEVARGVLTSLPGDSVTLTCGVEPEEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAGSHPSRWAGGRLLRSVOLHDSGNVSCRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
DB 121 CFRKSPLSNVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKSCOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSTQTFQCGGIIQPPDPANITVTAVARNRMLSVTQD 240
QY 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
DB 241 PHSNSSFYRLRFEFLRRAERSKFTTMMVMDLOHCVIHDAMGSLRHVVQLRAQEEFGQ 300
QY 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357
DB 301 GEMSEMSPEAMGTPTWTSRSPPAENEVSTPMQALTITKDDNILLFRSANAATSLPVE 357

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```

RESULT 12
US-09-313-942-26
; Sequence 26, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

```

```

: TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
:
: TITLE OF INVENTION: AND USING
:
: FILE REFERENCE: REG 203-A
:
: CURRENT APPLICATION NUMBER: US/09/313,942
:
: CURRENT FILING DATE: 1999-05-19
:
: PRIOR APPLICATION NUMBER: 09/313,942
:
: PRIOR FILING DATE: 1999-05-19
:
: PRIOR APPLICATION NUMBER: 60/101,858
:
: PRIOR FILING DATE: 1998-09-25
:
: NUMBER OF SEQ ID NOS: 32
:
: SOFTWARE: FastSeq for Windows Version 3.0
:
: SEQ ID NO 26
:
: LENGTH: 1158
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
:
US-09-313-942-26

```

Query Match	61.4%	Score 1789;	DB 2;	Length 1158;
Best Local Similarity	58.7%;	Pred. No. 3.7e-149;		
Matches 379;	Conservative 35;	Mismatches 88;	Indels 144;	Gaps 13;

QY	1	MLANGCALIALLAALPAAGAAALPRCPAPAEVARGVLTSLPGOSVLTTCGVSEBENATATNM	60
Db	1	MVANGCALIALLAALPAAGAAALPRCPAPAEVARGVLTSLPGOSVLTTCGVSEBENATATNM	60
QY	61	VLRKPAAGSHPSRMAGMGRILLRLRSVOLJHDSGNTCYRAGRPACTVHLLVDVPERPOL	120
Db	61	VLRKPAAGSHPSRMAGMGRILLRLRSVOLJHDSGNTCYRAGRPACTVHLLVDVPERPOL	120
QY	121	CFRKSPLSNVVCWGPBRSTPSLTITVAVLVVKFQMSPAEDPOEPCOYGOESQKFCOLAV	180
Db	121	CFRKSPLSNVVCWGPBRSTPSLTITVAVLVVKFQMSPAEDPOEPCOYGOESQKFCOLAV	180
QY	181	PEGDSAPYIVSMCVASSVGSVKFSKTQTOGCGILOPDPENATITVAVANRPMLSVTWOD	240
Db	181	PEGDSAPYIVSMCVASSVGSVKFSKTQTOGCGILOPDPENATITVAVANRPMLSVTWOD	240
QY	241	PHSNWSSFYRLRFBELRYAERSKTTTMMVYKOLQHHCVIHDAMSGLRHVOLRAOEFGQ	300
Db	241	PHSNWSSFYRLRFBELRYAERSKTTTMMVYKOLQHHCVIHDAMSGLRHVOLRAOEFGQ	300
QY	301	GEMSEMSPEAKGTPTTESRSPRAENKESVTPMOAL	334
Db	301	GEMSEMSPEAKGTPTTESRSPRAENKESVTPMOAL	334
QY	335	-----TINKDDNLLFRDSANAT-----SLPYEFGAGLYLGGQF	368
Db	361	EKCMDYFHVANAYIWMKTNHFTIPREQYTIINRTASSVTFMDIASLNTQLTNLTLPQGL	420
QY	369	MPVPERGBESKUVAAHPRQPLTSSEKIDQIKYILDGIALRKE-----TC-----NKSMMC	419
Db	421	-----BONYVGIITISGLPEPEKPNLSIYNECKNRC	453
QY	420	E--SSKEALAEENNILPK-----MAEKD--GC-----FOGFPNEETCL	453
Db	454	EMDQGRBTHLETNFTLKSEMAATHKPAODCKAKRQDITSCVDYIYVFNIEIYVAAENAL	513
QY	454	VKIITGLIEFEVLEYLON-----RFSSEBOARAVOMS-----TKVLIQLOK	497
Db	514	GKVTSDHINFPVYKVKPNRPHNLISVINSEELSIKLTWNPISIKSYILIKNIQYRTK	573
QY	498	KAKXULDAITTPDPTTNASLTKLQAOQOMLODMTHHLRSKTEL	543
Db	574	DASTWSQIPREDTASTRSSFT-----VOD-----LKPRTEV	605

RESULT 13
US-10-282-162--26
Sequence 26 Application US/10282162
Patent No. 6927044
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING

```

: TITLE OF INVENTION: AND USING
: FILE REFERENCE: REG 203-B-US
: CURRENT APPLICATION NUMBER: US/10/282,162
: CURRENT FILING DATE: 2002-10-28
: PRIOR APPLICATION NUMBER: 09/787,835
: PRIOR FILING DATE: 1999-09-22
: PRIOR APPLICATION NUMBER: PCT/US99/22045
: PRIOR FILING DATE: 1999-09-22
: NUMBER OF SEQ ID NOS: 56
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 26
: LENGTH: 1158
: TYPE: PR1
: ORGANISM: Homo sapiens
US-10-282-162-26

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Query Match	61.4%;	Score 1789;	DB 2;	Length 1158;
Best Local Similarity	-58.7%;	Pred. No. 3.7e-149;		
Matches 379;	Conservative 35;	Mismatches 88;	Indels 144;	Gaps 13;

QY	1	MLAVGALLAALLAAPGALLAPRCPOEVARGLVTS..PGGSVLTTCGVPEDNATYHM	60
Db	1	MVAVGALLAALLAAPGALLAPRCPOEVARGLVTS..PGGSVLTTCGVPEDNATYHM	60
QY	61	VLRKPAAGSHESRWAGMGRILLASVOLHDSGNTSCYRAGRPACTVHLVVPPEEPOLS	120
Db	61	VLRKPAAGSHESRWAGMGRILLASVOLHDSGNTSCYRAGRPACTVHLVVPPEEPOLS	120
QY	121	CFRKSPLSNVNCWGPSTPELTTKAVLVNKPONSRAPEDEOECQVSOESOKFSCOLAV	180
Db	121	CFRKSPLSNVNCWGPSTPELTTKAVLVNKPONSRAPEDEOECQVSOESOKFSCOLAV	180
QY	181	PEGDSFPIYVMCAVSSVGSKFSTQTFQOCCGIIQOPPEPANIITYAVARNRMLSVTQD	240
Db	181	PEGDSFPIYVMCAVSSVGSKFSTQTFQOCCGIIQOPPEPANIITYAVARNRMLSVTQD	240
QY	241	PHSNWSSFYRLRFEILRYAERSKFTFTTMVKDLOHHCYIHDWAGSLRVVOLRAQEEFGQ	300
Db	241	PHSNWSSFYRLRFEILRYAERSKFTFTTMVKDLOHHCYIHDWAGSLRVVOLRAQEEFGQ	300
QY	301	GENESEMPEAMGTEPMTESRSPPAINEVSTPMQAL-----	334
Db	301	GENESEMPEAMGTEPMTESRSPPAINEVSTPMELIDPCYISPEPVSQVQDHSNFTAVCYLK	360
QY	335	-----TNKDDNILLFRDSANAT-----SLPVEFAGVLVGGQF	368
Db	361	EKCMDYFHVNAVNTYVMKTNHFTIPEEQYTIINFRASSVTFPDIASINIQLTNCILTFQOL	420
QY	369	MPVPEPGEBSKQVAAHPHQPLTSERIDKQIRYIILDGISALAKE-----TC---NKSMNC	419
Db	421	-----EONVYGITIIISGLRPEPEKRNLSICVNEBCKMRC	453
QY	420	E--SSKEALAEENNILPK-----MAEKD---GC-----POSGFNEETCL	453
Db	454	EMDQGRFHELETNTTILSMAATHFRADOKARQDIPSTCVQSYTYFVNIIEVMBAENAL	513
QY	454	VKITITGLIEFEVLEYLON-----RFSSEEOARAVONS-----TKVLIOQLQK	497
Db	514	GKVTSDHINIEPVPYKVKVNPENHNLVINSEELASILKLTWNPISIKSVIILKYNIOYRTK	573
QY	498	KAKVLDAITTPDPPTNNSILTKLQANQOMQDMMTHLHSRFEKL	543
Db	574	DAGTWSQIIPREDTASTRSFT-----VQD-----LKFPTIEV	605

RESULT 14
US-09-313-942-24
; Sequence 24, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS,
; TITLE OF INVENTION: AND USING AND METHODS OF MAKING

```

; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-24

```

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Query Match      61.2%; Score 1783; DB 2; Length 1168;
Best Local Similarity 99.7%; Pred. No. 1.3e-148;
Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTTCGVPEDNATVHW 60
DB 1 MVAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTTCGVPEDNATVHW 60
QY 61 VLKPPAAGSHSPRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
DB 61 VLKPPAAGSHSPRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
QY 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVRKFQNSPAEDFOEPCQYSQESQKFSQOLAV 180
DB 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVRKFQNSPAEDFOEPCQYSQESQKFSQOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGILQPPDPANITVTAVARNRMLSVTMD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGILQPPDPANITVTAVARNRMLSVTMD 240
QY 241 PHSWNSFFYRLRPELRYRARSKTFTTWMVKDLOHHCVIDHWSGLRHVVQLRAOEFGQ 300
DB 241 PHSWNSFFYRLRPELRYRARSKTFTTWMVKDLOHHCVIDHWSGLRHVVQLRAOEFGQ 300
QY 301 GEMSEWSPAMGTPWTESRSPPAENEYSTPM 331
DB 301 GEMSEWSPAMGTPWTESRSPPAENEYSTPM 331

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RESULT 15
US-10-282-162-24
; Sequence 24, Application US/10282162
; Patent No. 6927044
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 1168
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-24

```

```

Query Match      61.2%; Score 1783; DB 2; Length 1168;
Best Local Similarity 99.7%; Pred. No. 1.3e-148;
Matches 330; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MVAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTTCGVPEDNATVHW 60

```

```

DB 1 MVAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTTCGVPEDNATVHW 60
QY 61 VLKPPAAGSHSPRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
DB 61 VLKPPAAGSHSPRWAGMGRLLRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLs 120
QY 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVRKFQNSPAEDFOEPCQYSQESQKFSQOLAV 180
DB 121 CFRKSPLSNVVCEWGPSTSLTTKAVLVRKFQNSPAEDFOEPCQYSQESQKFSQOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGILQPPDPANITVTAVARNRMLSVTMD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQCGILQPPDPANITVTAVARNRMLSVTMD 240
QY 241 PHSWNSFFYRLRPELRYRARSKTFTTWMVKDLOHHCVIDHWSGLRHVVQLRAOEFGQ 300
DB 241 PHSWNSFFYRLRPELRYRARSKTFTTWMVKDLOHHCVIDHWSGLRHVVQLRAOEFGQ 300
QY 301 GEMSEWSPAMGTPWTESRSPPAENEYSTPM 331
DB 301 GEMSEWSPAMGTPWTESRSPPAENEYSTPM 331

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Search completed: June 29, 2006, 21:10:46
Job time : 53 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: June 29, 2006, 21:21:17 ; Search time 186 Seconds
(without alignments)
1377.193 Million cell updates/sec

Title: US-09-462-416-7THEN1THEN7
Perfect score: 2912
Sequence: 1 MLAVGALLAALAPGAL.....LIIRSFKEFLQSSIRALRQM 553

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA Main:
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2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US09_PUBCOMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10A_PUBCOMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10B_PUBCOMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2789	95.8	569	US-10-485-545A-14	Sequence 14, Appl
2	1927.5	66.2	592	US-09-313-942-8	Sequence 8, Appl
3	1927.5	66.2	592	US-09-935-868-8	Sequence 8, Appl
4	1927.5	66.2	592	US-10-287-035-8	Sequence 8, Appl
5	1927.5	66.2	592	US-10-287-162-8	Sequence 8, Appl
6	1927.5	66.2	592	US-11-134-114-8	Sequence 8, Appl
7	1917	65.8	468	US-10-247-463-12	Sequence 12, Appl
8	1917	65.8	468	US-10-756-149-5377	Sequence 5377, Ap
9	1917	65.8	468	US-11-016-106-12	Sequence 12, Appl
10	1910	65.6	360	US-09-313-942-15	Sequence 15, Appl
11	1910	65.6	360	US-09-935-868-15	Sequence 15, Appl
12	1910	65.6	360	US-10-287-035-15	Sequence 15, Appl
13	1910	65.6	360	US-10-287-162-15	Sequence 15, Appl
14	1910	65.6	360	US-11-134-114-15	Sequence 15, Appl
15	1901	65.3	468	US-10-485-545A-11	Sequence 11, Appl
16	1897	65.1	357	US-10-485-545A-13	Sequence 13, Appl
17	1891	64.9	364	US-10-485-545A-10	Sequence 10, Appl
18	1891	64.9	365	US-10-485-545A-12	Sequence 12, Appl
19	1832.5	62.6	453	US-10-323-696-144	Sequence 144, App
20	1789	61.4	1158	US-09-313-942-26	Sequence 26, Appl
21	1789	61.4	1158	US-09-935-868-26	Sequence 26, Appl
22	1789	61.4	1158	US-10-287-035-26	Sequence 26, Appl
23	1789	61.4	1158	US-10-287-162-26	Sequence 26, Appl
24	1789	61.4	1158	US-11-134-114-26	Sequence 26, Appl
25	1783	61.2	1168	US-09-313-942-24	Sequence 24, Appl
26	1783	61.2	1168	US-09-935-868-24	Sequence 24, Appl
27	1783	61.2	1168	US-10-287-035-24	Sequence 24, Appl

28	1783	61.2	1168	US-10-282-162-24	Sequence 24, Appl
29	1783	61.2	1168	US-11-134-114-24	Sequence 24, Appl
30	1683	57.8	315	US-09-313-942-16	Sequence 16, Appl
31	1683	57.8	315	US-09-935-868-16	Sequence 16, Appl
32	1683	57.8	315	US-10-287-035-16	Sequence 16, Appl
33	1683	57.8	315	US-10-287-162-16	Sequence 16, Appl
34	1683	57.8	315	US-11-134-114-16	Sequence 16, Appl
35	953.5	32.7	387	US-10-322-696-141	Sequence 141, App
36	953.5	32.7	460	US-10-247-463-13	Sequence 194, App
37	953.5	32.7	460	US-11-016-106-13	Sequence 13, Appl
38	952.5	32.7	266	US-11-043-788-194	Sequence 14, Appl
39	947.5	32.5	212	US-09-854-280-14	Sequence 14, Appl
40	947.5	32.5	212	US-09-854-280-14	Sequence 14, Appl
41	947.5	32.5	212	US-10-099-007A-3	Sequence 3, Appl
42	947.5	32.5	212	US-10-400-377-13	Sequence 13, Appl
43	947.5	32.5	212	US-10-400-708-13	Sequence 13, Appl
44	947.5	32.5	212	US-10-298-148-13	Sequence 13, Appl
45	947.5	32.5	212	US-10-440-464-61	Sequence 61, Appl

ALIGNMENTS

RESULT 1					
US-10-485-545A-14					
; Sequence 14, Application US/10485545A					
; Publication No. US20050064558A1					
; GENERAL INFORMATION:					
; APPLICANT: University College Cardiff					
; TITLE OF INVENTION: A Fusion Protein					
; FILE REFERENCE: P102803PCT					
; CURRENT FILING DATE: 2004-02-02					
; PRIOR APPLICATION NUMBER: 0119015.6					
; PRIOR FILING DATE: 2001-08-03					
; NUMBER OF SEQ ID NOS: 15					
; SOFTWARE: Seqwin99, version 1.02					
; SEQ ID NO 14					
; LENGTH: 569					
; TYPE: PRT					
; ORGANISM: Artificial Sequence					
; FEATURE:					
; OTHER INFORMATION: IL-6 fusion protein					
US-10-485-545A-14					
QY	Query Match	95.8%	Score 2789;	DB 5;	Length 569;
DB	Best local Similarity	96.1%	Pred. No. 9.4e-212;		
	Matches 539;	Conservative 0;	Mismatches 12;	Indels 10;	Gaps 3;
QY	1	MLAVGALLAALAPGALAPRRCPAQEVARGVLTSLPDSVTLTCTGVEPEDNATVHM	60		
DB	1	MLAVGALLAALAPGALAPRRCPAQEVARGVLTSLPDSVTLTCTGVEPEDNATVHM	60		
QY	61	VLRPAAGSHPSRMAWGRILLRSVQIHDSGNTSCYRAGRPAGTVHLLVDVPEEPOLIS	120		
DB	61	VLRPAAGSHPSRMAWGRILLRSVQIHDSGNTSCYRAGRPAGTVHLLVDVPEEPOLIS	120		
QY	121	CFRRSPLSNVCEWGPSTSLTKAVILVKKFPNSPADDEPQVQESQESQESCOLAV	180		
DB	121	CFRRSPLSNVCEWGPSTSLTKAVILVKKFPNSPADDEPQVQESQESQESCOLAV	180		
QY	181	PEGDSFVIVMCAVSSVGSFKSKTQTFQGGIILQDPDPANITVTVAVARNPRMISVTWOD	240		
DB	181	PEGDSFVIVMCAVSSVGSFKSKTQTFQGGIILQDPDPANITVTVAVARNPRMISVTWOD	240		
QY	241	PHSNWSSFYRLRFELRYRAERSKFTFTTMVVDLQHHCVIHWMSGLRRVVDLRAQEEFGQ	300		
DB	241	PHSNWSSFYRLRFELRYRAERSKFTFTTMVVDLQHHCVIHWMSGLRRVVDLRAQEEFGQ	300		
QY	301	GENSEMSPEAMGTWTESRSPPAENEYSTPQALTTNODDNILFRDSANATSLPVE---	357		
DB	301	GENSEMSPEAMGTWTESRSPPAENEYSTPQALTTNODDNILFRDSANATSLPGRRR	360		

QY 358 -----FGAGLVIGGQFMVPPGEGDSKVAAAPHRPOLTSSRRIDKQIRYIILDGISALRKET 412
Db 361 GSGGLGGGGGGGSLPEVPPEGDSKVAAAPHRPOLTSSRRIDKQIRYIILDGISA-RKET 419
QY 413 CNKSNMCESSKEALAENNLI,PKMAEKDGCFCGSGFNEETCLVKIITGLLEFEVYLEYON 472
Db 420 CNKSNMCESSKEALAENNLI,PKMAEKDGCFCGSGFNEETCLVKIITGLLEFEVYLEYON 479
QY 473 RPFSSBBOARAVOMSTKVLIOFLQKAKNIDAITTPDPTTNASLITKLOQONQLODMTT 532
Db 480 RPFSSBBOARAVOMSTKVLIOFLQKAKNIDAITTPDPTTNASLITKLOQONQLODMTT 538
QY 533 HILIRSFKEFLQSSIRALROM 553
Db 539 HILIRSFKEFLQSSIRALROM 559

RESULT 2

US-09-313-942-8
; Sequence 8, Application US/09313942
; Publication No. US2002012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; CURRENT FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-313-942-8

Query Match 66.2%; Score 1927.5; DB 3; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY 1 MNAVGCALLAALLAAPGALAPRCRPAQVAVARGVLTSLPDSVTTLTCGVEPBDNATVHW 60
Db 1 MNAVGCALLAALLAAPGALAPRCRPAQVAVARGVLTSLPDSVTTLTCGVEPBDNATVHW 60
QY 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQVTLVLDVPPPEPQLS 120
Db 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQVTLVLDVPPPEPQLS 120
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
QY 181 PEGDSSFYIYSKCVASSVSGSKFTQTFQCGILOPDPANITVTAVARNPRLSVTWOD 240
Db 181 PEGDSSFYIYSKCVASSVSGSKFTQTFQCGILOPDPANITVTAVARNPRLSVTWOD 240
QY 241 PHSMNSFFYRLRFLRYRARSKTFTTWVYKDLQHHCVIHDAMSGLRHVQLRAOEFGQ 300
Db 241 PHSMNSFFYRLRFLRYRARSKTFTTWVYKDLQHHCVIHDAMSGLRHVQLRAOEFGQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENESTPMQALTTNKDDNLI,FRDSANATSLPYEFG- 359
Db 301 GEMSEMSPEAMGTPTWESRSPPAENESTPMQALTTNKDDNLI,FRDSANATSLPYEFG- 360
QY 360 -----AGLVIGGQ----FMVPPGEGDSKVAAAPHRPL-----TSSER 393
Db 361 EPKSCDKHTCCPCPAPBELIGGSPVFLPPKP-----KDTLMTSRPEVTVCVVVDVSHED 415

QY 394 IDKQIRYIILDG-----SALRKETCNKSNMCESSKEALAENNLI-----LPK 435
Db 416 PEVKFMWYVDGVAVHNAKTKPREEQYNSTRVSVLTVLHQDLNKGKEYCKYSNQLPA 475
QY 436 MAEKDCFCGSGFNE-----TCLVKIITGLLEFEVYLEYON 472
Db 476 PIKTIKSKAKGQREPOVYTLPPSRDELTKNQVSLTCLVY---GFYPSDIAVWESN 529

RESULT 3

US-09-935-868-8
; Sequence 8, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-935-868-8

Query Match 66.2%; Score 1927.5; DB 3; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY 1 MNAVGCALLAALLAAPGALAPRCRPAQVAVARGVLTSLPDSVTTLTCGVEPBDNATVHW 60
Db 1 MNAVGCALLAALLAAPGALAPRCRPAQVAVARGVLTSLPDSVTTLTCGVEPBDNATVHW 60
QY 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQVTLVLDVPPPEPQLS 120
Db 61 VLKPPAGSHSPRMAGGRLLRSVQLHDSGNVSCYRAGRPAQVTLVLDVPPPEPQLS 120
QY 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
Db 121 CFPKSPLSNVVCEWGPSTPSLTITKAVLVKRFQNSPAEDFOBPQYSGSOKFSQCLAV 180
QY 181 PEGDSSFYIYSKCVASSVSGSKFTQTFQCGILOPDPANITVTAVARNPRLSVTWOD 240
Db 181 PEGDSSFYIYSKCVASSVSGSKFTQTFQCGILOPDPANITVTAVARNPRLSVTWOD 240
QY 241 PHSMNSFFYRLRFLRYRARSKTFTTWVYKDLQHHCVIHDAMSGLRHVQLRAOEFGQ 300
Db 241 PHSMNSFFYRLRFLRYRARSKTFTTWVYKDLQHHCVIHDAMSGLRHVQLRAOEFGQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENESTPMQALTTNKDDNLI,FRDSANATSLPYEFG- 359
Db 301 GEMSEMSPEAMGTPTWESRSPPAENESTPMQALTTNKDDNLI,FRDSANATSLPYEFG- 360
QY 360 -----AGLVIGGQ----FMVPPGEGDSKVAAAPHRPL-----TSSER 393
Db 361 EPKSCDKHTCCPCPAPBELIGGSPVFLPPKP-----KDTLMTSRPEVTVCVVVDVSHED 415
QY 394 IDKQIRYIILDG-----SALRKETCNKSNMCESSKEALAENNLI-----LPK 435
Db 416 PEVKFMWYVDGVAVHNAKTKPREEQYNSTRVSVLTVLHQDLNKGKEYCKYSNQLPA 475
QY 436 MAEKDCFCGSGFNE-----TCLVKIITGLLEFEVYLEYON 472
Db 476 PIKTIKSKAKGQREPOVYTLPPSRDELTKNQVSLTCLVY---GFYPSDIAVWESN 529

RESULT 4
US-10-287-035-8
; Sequence 8, Application US/10287035

```

; Publication No. US20030104567A1
; GENERAL INFORMATION:
; APPLICANT: Neil Stahl and George D. Yancopoulos
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203DA
; CURRENT APPLICATION NUMBER: US/10/287,035
; CURRENT FILING DATE: 2002-11-01
; PRIOR APPLICATION NUMBER: USSN 09/935,868
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: USSN 09/787,835
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: USSN 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-035-8

Query Match      66.2%; Score 1927.5; DB 4; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY 1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
DB 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
QY 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
DB 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
QY 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
DB 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
QY 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
DB 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
QY 241 PHSNNSFYRLRPELRARBSKFTTMMVYKDLOHNCVIDHAWGLRHVVQLRAOEFGQ 300
DB 241 PHSNNSFYRLRPELRARBSKFTTMMVYKDLOHNCVIDHAWGLRHVVQLRAOEFGQ 300
QY 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
DB 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
QY 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
DB 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
QY 360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
DB 360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
QY 361 EPKSCDKTHCCPCPAPABELLGGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
DB 361 EPKSCDKTHCCPCPAPABELLGGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
QY 394 IDKQIRYILDGI-----SALKRETCKNSKNCSSKALAEINNIN-----LPK 435
DB 394 IDKQIRYILDGI-----SALKRETCKNSKNCSSKALAEINNIN-----LPK 435
QY 416 PEVKFNMYVGVGEVHNAAKTRPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAA 475
DB 416 PEVKFNMYVGVGEVHNAAKTRPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAA 475
QY 436 MAEKDGCFOGSGFNEE-----TCVYKTIITLLEFEVLEYLON 472
DB 436 MAEKDGCFOGSGFNEE-----TCVYKTIITLLEFEVLEYLON 472
QY 476 PIEKTIKAKAGQPREPOVYTLTPSRDELTKNOVSLTCLVK---GFPYSDIAVEMESN 529
DB 476 PIEKTIKAKAGQPREPOVYTLTPSRDELTKNOVSLTCLVK---GFPYSDIAVEMESN 529

RESULT 5
US-10-282-162-8
; Sequence 8, Application US/10282162
; Publication No. US200301043697A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.

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; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
; CURRENT APPLICATION NUMBER: US/10/282,162
; CURRENT FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-282-162-8

Query Match      66.2%; Score 1927.5; DB 4; Length 592;
Best Local Similarity 72.8%; Pred. No. 1.6e-143;
Matches 391; Conservative 17; Mismatches 56; Indels 73; Gaps 8;

QY 1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
DB 1 MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCPGVEPEDNATVHW 60
QY 61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
DB 61 VLKPPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPAGTVHLVDVPEEPOLS 120
QY 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
DB 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
QY 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
DB 121 CFPKSPILSNVNCWGPSTSLTTKAVLVRKFNONSAPEDFOEPCOYSQESQKSCOLAV 180
QY 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
DB 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
QY 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
DB 181 PEGDSFYIVSMCVASSVSGSKFSKTQTFQCGILQPPRPNITVTAAARNRMLSVTWOD 240
QY 241 PHSNNSFYRLRPELRARBSKFTTMMVYKDLOHNCVIDHAWGLRHVVQLRAOEFGQ 300
DB 241 PHSNNSFYRLRPELRARBSKFTTMMVYKDLOHNCVIDHAWGLRHVVQLRAOEFGQ 300
QY 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
DB 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
QY 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
DB 301 GEMSEMPAMGTPWTSRSPPAENEVSTPMOALTNNKDDNLIIFRDSANATSLPVEFG- 359
QY 360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
DB 360 -----AGLVIGGQ-----FMPVPEGDSKDVAAAPRQPL-----TSSER 393
QY 361 EPKSCDKTHCCPCPAPABELLGGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
DB 361 EPKSCDKTHCCPCPAPABELLGGPSVFLPPEKP-----KDTLMISRTBEVTCVVVDVSHED 415
QY 394 IDKQIRYILDGI-----SALKRETCKNSKNCSSKALAEINNIN-----LPK 435
DB 394 IDKQIRYILDGI-----SALKRETCKNSKNCSSKALAEINNIN-----LPK 435
QY 416 PEVKFNMYVGVGEVHNAAKTRPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAA 475
DB 416 PEVKFNMYVGVGEVHNAAKTRPREQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAA 475
QY 436 MAEKDGCFOGSGFNEE-----TCVYKTIITLLEFEVLEYLON 472
DB 436 MAEKDGCFOGSGFNEE-----TCVYKTIITLLEFEVLEYLON 472
QY 476 PIEKTIKAKAGQPREPOVYTLTPSRDELTKNOVSLTCLVK---GFPYSDIAVEMESN 529
DB 476 PIEKTIKAKAGQPREPOVYTLTPSRDELTKNOVSLTCLVK---GFPYSDIAVEMESN 529

RESULT 6
US-11-134-114-8
; Sequence 8, Application US/11134114
; Publication No. US2005022033A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
; FILE REFERENCE: 203CI
; CURRENT APPLICATION NUMBER: US/11/134,114
; CURRENT FILING DATE: 2005-05-20
; PRIOR APPLICATION NUMBER: 10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 2001-03-22

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; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
;
; LENGTH: 592
;
; TYPE: PRT
;
; ORGANISM: Homo sapiens
;
US-11-134-114-8

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Query Match	66.2%;	Score 1927.5;	DB 6;	Length 592;
Best Local Similarity	72.8%;	Pred. No. 1.6e-143;		
Matches 391;	Conservative 17;	Mismatches 56;	Indels 73;	Gaps 8;

QY	1	MLANGALLAALLAALPAAGALLAPRCPCPAEVARGVLTSLPGOSVLTTCGVEBEDNATYHM	60
Dd	1	MVAAGCALLAALLAALPAAGALLAPRCPCPAEVARGVLTSLPGOSVLTTCGVEBEDNATYHM	60
QY	61	VLRKPAAGSHPSRAAGMGRILLLSVOLHDSGNTSCYRAGRPACTVHLLVDVPRPEPOL	120
Dd	61	VLRKPAAGSHPSRAAGMGRILLLSVOLHDSGNTSCYRAGRPACTVHLLVDVPRPEPOL	120
QY	121	CFRKSPLSNVCEWGPRTSLITTKAVLLYKFPONSPEDEPOCPQYSQESOKPSCOLAY	180
Dd	121	CFRKSPLSNVCEWGPRTSLITTKAVLLYKFPONSPEDEPOCPQYSQESOKPSCOLAY	180
QY	181	PEGDSFYVSMCAVSSVGSKPSKTOTFOGCGILLDPDPANITVTYAVARNPMISVTWOD	240
Dd	181	PEGDSFYVSMCAVSSVGSKPSKTOTFOGCGILLDPDPANITVTYAVARNPMISVTWOD	240
QY	241	PHSNNSFYRLRFELRYAERSKFTTMVMDLOHCHYTHAMSGLRHVOLRAQEEFGQ	300
Dd	241	PHSNNSFYRLRFELRYAERSKFTTMVMDLOHCHYTHAMSGLRHVOLRAQEEFGQ	300
QY	301	GEWSEMSPEAMGTPTWTSRSPPAEENESTPMQALTTNKDDNILLFRDSANATSLPEVEFG	359
Dd	301	GEWSEMSPEAMGTPTWTSRSPPAEENESTPMQALTTNKDDNILLFRDSANATSLPEVOAG	360
QY	360	-----AGVLGQQ-----PMVPPEGDSKDVAAHPRQPL-----TSER	393
Dd	361	EPKSCDKHTHPCPCPAPFELLOGPSVFLFPPKP-----KDTLMISTPEVTCVVDVSHED	415
QY	394	IDKOIRYILDI-----SALRKETCNKSNMCESSKEALAENNTN-----LPK	435
Dd	416	PEVFENWVVDGEVYHNAKTPREBEQYNSTYRVSVLVLHODMLNGEKYCKCVSKALPA	475
QY	436	MAKDDGCGQSGFNNE-----TCIVKLTITGLEEYVLEAYON	472
Dd	476	PIEKTISKAKQPREPOVYTTLPESDELTKNQVSLTCLVK---GYPESDIAEMSN	529

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1  RESULT 7
2  US-10-247-463-12
3  ; Sequence 12, Application US/10247463
4  ; Publication No. US20030082734A1
5  ; GENERAL INFORMATION:
6  ; APPLICANT: DOWLING, Lynette M.
7  ; APPLICANT: TIMANS, Jacqueline C.
8  ; APPLICANT: GORMAN, Daniel M.
9  ; APPLICANT: KASTELEIN, Robert A.
10 ; APPLICANT: BAZAN, J. Fernando
11 ; TITLE OF INVENTION: Mammalian Receptor Proteins; Related Reagents and
12 ; TITLE OF INVENTION: Methods
13 ; FILE REFERENCE: DX09920
14 ; CURRENT APPLICATION NUMBER: US/10/247,463
15 ; CURRENT FILING DATE: 2002-09-18
16 ; PRIORITY APPLICATION NUMBER: US/09/588,113
17 ; PRIORITY FILING DATE: 2000-05-31
18 ; NUMBER OF SEQ. ID NOS: 13

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
US-10-247-463-12

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Query Match	65.8%;	Score 1917;	DB 4;	Length 468;
Best Local Similarity	96.8%;	Pred. No. 7.8e-143;		
Matches 360;	Conservative 2;	Mismatches 4;	Indels 6;	Gaps 1.

Qy	1	MLAVGALLLAALLAALPGALAPRCPOEVARGVLTSLPGDSVTLTCPGVEBEDNATVHM	60
Db	1	MLAVGALLLAALLAALPGALAPRCPOEVARGVLTSLPGDSVTLTCGVEBEDNATVHM	60
Qy	61	VLRKPAAGSHPSRWAGMGRLLILRSVOLHDSGNTCTPAGRPAGTVHLLVDVPEEPOL	120
Db	61	VLRKPAAGSHPSRWAGMGRLLILRSVOLHDSGNTCYAGRPAGTVHLLVDVPEEPOL	120
Qy	121	CFRKSPLSNVVCWCGPRSTPSLTITTKAVILYKFPNSPABDEOEPQVQSOESOKFSCOLAV	180
Db	121	CFRKSPLSNVVCWCGPRSTPSLTITTKAVILYKFPNSPABDEOEPQVQSOESOKFSCOLAV	180
Qy	181	PEGDSFFIYVMCAASSVSGSKFSKTOTFOQGGILODPDPAITVTYAVARNRMLSVTMO	240
Db	181	PEGDSFFIYVMCAASSVSGSKFSKTOTFOQGGILODPDPAITVTYAVARNRMLSVTMO	240
Qy	241	PHSNWSSFYRLRFLRYAERSKFTTTVMVXDLQHCYIHDWAGSLRHVQLRAQEEFGQ	300
Db	241	PHSNWSSFYRLRFLRYAERSKFTTTVMVXDLQHCYIHDWAGSLRHVQLRAQEEFGQ	300
Qy	301	GEWSEKSGPEAMGTWSTESRSPPAENEVSTPMQALITMKDDNILLFRSDAANTSLPVEFGA	360
Db	301	GEWSEKSGPEAMGTWSTESRSPPAENEVSTPMQALITMKDDNILLFRSDAANTSLPVEFGA	360
Qy	361	G-----LVLGQ 366	
Db	361	SVPLPFLVLVAGG 372	

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RESULT 8
US-10-756-149-5377
; Sequence 5377, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5377
; LENGTH: 468
; TYPE: PR1
; ORGANISM: Homo Sapiens
US-10-756-149-5377

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	Query Match	65.8%;	Score 1917;	DB 5;	Length 468;
	Best Local Similarity	96.8%;	Pred. No. 7, 8e-143;		
	Matches	360;	Conservative	2;	Mismatches 4; Gaps 1
QY	1	MLAVGALLAALLAAPGALAPRRCPAQEVARGVLTSLPGDSVLTTCGVEPEBDNATVHM	60		
Db	1	MLAVGALLAALLAAPGALAPRRCPAQEVARGVLTSLPGDSVLTTCGVEPEBDNATVHM	60		
QY	61	VLRPPAAGSHPSRWAGMGRILLRSVOLHDSGNSCYRAGRPAGTAVHLLVDVPEEPQOLS	120		
Db	61	VLRPPAAGSHPSRWAGMGRILLRSVOLHDSGNSCYRAGRPAGTAVHLLVDVPEEPQOLS	120		
QY	121	CFKSPSLSNVNCWEGPSTPSLTTKKAVLVKPKFQNSPAEDQEPQOYSQESOKFSCQLAV	180		

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Db      |||||
121  CFRKSPISNVVCEWGPSTPSLTTRKAVLVRKFNQSPADEQFQEQSQESQKSCQAV 180
Qy      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Db      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Qy      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Db      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Qy      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQDSS 360
Db      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQDSS 360
Qy      |||||
361  G-----LVLG 366
Db      |||||
361  SVPLPTFLVAGG 372

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RESULT 9

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US-11-016-106-12
; Sequence 12, Application US/11016106
; Publication No. US20050106673A1
; GENERAL INFORMATION:
; APPLICANT: Dowling, Lynette M.
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Kastelein, Robert A.
; APPLICANT: Bazan, J. Fernando
; TITLE OF INVENTION: Mammalian Receptor Proteins, Related Reagents and
; FILE OF INVENTION: Methods
; FILE REFERENCE: DX09920
; CURRENT APPLICATION NUMBER: US/11/016,106
; PRIOR FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/588,113
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 12
; LENGTH: 468
; TYPE: PRT
; ORGANISM: primate
US-11-016-106-12

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Query Match 65.8%; Score 1917; DB 6; Length 468;

Best Local Similarity 96.8%; Pred. No. 7.8e-143; Mismatches 4; Indels 6; Gaps 1;

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Qy      |||||
1  MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
Db      |||||
1  MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
Qy      |||||
61  VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Db      |||||
61  VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Qy      |||||
121  CFRKSPISNVVCEWGPSTPSLTTRKAVLVRKFNQSPADEQFQEQSQESQKSCQAV 180
Db      |||||
121  CFRKSPISNVVCEWGPSTPSLTTRKAVLVRKFNQSPADEQFQEQSQESQKSCQAV 180
Qy      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Db      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Qy      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Db      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Qy      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQDSS 360
Db      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQDSS 360

```

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Qy      |||||
361  G-----LVLG 366
Db      |||||
361  SVPLPTFLVAGG 372

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RESULT 10

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US-09-313-942-15
; Sequence 15, Application US/09313942
; Publication No. US20020012962A1
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-15

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Query Match 65.6%; Score 1910; DB 3; Length 360;

Best Local Similarity 99.4%; Pred. No. 1.9e-142; Mismatches 0; Indels 0; Gaps 0;

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Qy      |||||
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Db      |||||
1  MNAVGCALLAALAAPGALAPRRCPAEOVARGVLTSLPGDSVTLTCGVPEDNATVHW 60
Qy      |||||
61  VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Db      |||||
61  VLRKPAAGSHPSRWAGRGRLILRSVOLHDSGNVSCYRAGRPACTVHLVDVPEEPOLS 120
Qy      |||||
121  CFRKSPISNVVCEWGPSTPSLTTRKAVLVRKFNQSPADEQFQEQSQESQKSCQAV 180
Db      |||||
121  CFRKSPISNVVCEWGPSTPSLTTRKAVLVRKFNQSPADEQFQEQSQESQKSCQAV 180
Qy      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Db      |||||
181  PEGDSSFYIVSMCAVSVGSKFSKTQTFQCGGIIQPPPPANITTAARNRMTLSVTWOD 240
Qy      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Db      |||||
241  PHSWNSFFYRLRFELRYRAERSKFTTMMVVDLOHHCYIHDAMSGLRHVVOQLRAQEEFGQ 300
Qy      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQ 357
Db      |||||
301  GEMSEWSPKAMGTWTSRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVQ 357

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RESULT 11

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US-09-935-868-15
; Sequence 15, Application US/09935868
; Patent No. US20020164690A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc
; TITLE OF INVENTION: Receptor Based Antagonists, and Methods of Making and Using
; FILE REFERENCE: REG 203D
; CURRENT APPLICATION NUMBER: US/09/935,868
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 15
; LENGTH: 360

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TYPE: PRT
ORGANISM: Homo sapiens
US-09-935-868-15

Query Match 65.6%; Score 1910; DB 3; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPDSDVTLTCPGVEPEDNATVHM 60
DB 1 MAAVGCALLAALAAAGAAAPRCPAEOVARGVLTSLPDSDVTLTCPGVEPEDNATVHM 60
QY 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFQKTOFGCGILQDPDPANITVTAVARNPRLSVTMOD 240
DB 181 PEGDSSFYIVSMCVASVSGSKFQKTOFGCGILQDPDPANITVTAVARNPRLSVTMOD 240
QY 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 12
US-10-287-035-15
Sequence 15, Application US/10287035
Publication No. US20030104567A1
GENERAL INFORMATION:
APPLICANT: Neil Stahl and George D. Yancopoulos
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203DA
CURRENT APPLICATION NUMBER: US/10/287,035
PRIOR FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: USN 09/935,868
PRIOR FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: USN 09/787,835
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: USN 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 09/313,942
PRIOR FILING DATE: 1999-05-19
PRIOR APPLICATION NUMBER: 60/101,858
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FaetsEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-287-035-15

Query Match 65.6%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAAVGCALLAALAAAPRCPAEOVARGVLTSLPDSDVTLTCPGVEPEDNATVHM 60
DB 1 MAAVGCALLAALAAAPRCPAEOVARGVLTSLPDSDVTLTCPGVEPEDNATVHM 60
QY 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120

QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
QY 181 PEGDSSFYIVSMCVASVSGSKFQKTOFGCGILQDPDPANITVTAVARNPRLSVTMOD 240
DB 181 PEGDSSFYIVSMCVASVSGSKFQKTOFGCGILQDPDPANITVTAVARNPRLSVTMOD 240
QY 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 13
US-10-282-162-15
Sequence 15, Application US/10282162
Publication No. US20030143657A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
PRIOR FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FaetsEQ for Windows Version 3.0
SEQ ID NO 15
LENGTH: 360
TYPE: PRT
ORGANISM: Homo sapiens
US-10-282-162-15

Query Match 65.6%; Score 1910; DB 4; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MAAVGCALLAALAAAPRCPAEOVARGVLTSLPDSDVTLTCPGVEPEDNATVHM 60
QY 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120
DB 61 VLKPPAAGSHPSRWAGMGRLLRSVQLHDSGNVSCYRAGRPAQVTHLLVDVPEEPQLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTTKAVLVKRFQNSPAEDFOBPQOYQSOSQKFSQCLAV 180
QY 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
DB 241 PHSNNSFYRLRELRYRARSKTFTTMVKDLOHHCVIDAMSGLRHVVLQRAOEFQ 300
QY 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357
DB 301 GEMSEMSPEAMGTPTWESRSPPAENEVSTPMQALTTNKDDNLLFRDSANATSLPVQ 357

RESULT 14
US-11-134-114-15
Sequence 15, Application US/1134114

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; Publication No. US2005022033A1
; GENERAL INFORMATION:
; APPLICANT: Stahl, Neil
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: Receptor Based Antagonists and Methods of Making and Using
; FILE REFERENCE: 203C1
; CURRENT APPLICATION NUMBER: US/11/134,114
; CURRENT FILING DATE: 2005-05-20
; PRIOR APPLICATION NUMBER: 10/282,162
; PRIOR FILING DATE: 2002-10-28
; PRIOR APPLICATION NUMBER: 09/787,835
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: PCT/US99/22045
; PRIOR FILING DATE: 1999-09-22
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-134-114-15

Query Match          65.4%; Score 1910; DB 6; Length 360;
Best Local Similarity 99.4%; Pred. No. 1.9e-142;
Matches 355; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIAVGALLAALLAALPAAGALAPRRCPAQAQVAVGVTSLPGDSVTLTCGPVEPEDNATVHW 60
DB 1 MIAVGALLAALLAALPAAGALAPRRCPAQAQVAVGVTSLPGDSVTLTCGPVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGPAGTVHLVDPPEEPLS 120
DB 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGPAGTVHLVDPPEEPLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKFSQOLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKFSQOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVTAVARNPRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVTAVARNPRMLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAQEEFGQ 300
DB 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAQEEFGQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVE 357

RESULT 15
US-10-485-545A-11
; Sequence 11, Application US/10485545A
; Publication No. US2005064558A1
; GENERAL INFORMATION:
; APPLICANT: University College Cardiff
; APPLICANT: University of Wales College of Medicine
; TITLE OF INVENTION: A Fusion Protein
; FILE REFERENCE: P102803PCT
; CURRENT APPLICATION NUMBER: US/10/485,545A
; CURRENT FILING DATE: 2004-02-02
; PRIOR APPLICATION NUMBER: 0119015.6
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: SeqMan9, version 1.02
; SEQ ID NO 11
; LENGTH: 468
; TYPE: PRT
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; ORGANISM: homo sapien
US-10-485-545A-11

Query Match          65.3%; Score 1901; DB 5; Length 468;
Best Local Similarity 96.2%; Pred. No. 1.4e-141;
Matches 358; Conservative 2; Mismatches 6; Indels 6; Gaps 1;

QY 1 MIAVGALLAALLAALPAAGALAPRRCPAQAQVAVGVTSLPGDSVTLTCGPVEPEDNATVHW 60
DB 1 MIAVGALLAALLAALPAAGALAPRRCPAQAQVAVGVTSLPGDSVTLTCGPVEPEDNATVHW 60
QY 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGPAGTVHLVDPPEEPLS 120
DB 61 VLKPPAGSHPSRWAGRGRLRLRSVOLHDSGNVSCYRAGPAGTVHLVDPPEEPLS 120
QY 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKFSQOLAV 180
DB 121 CFRKSPLSNVVCEWGPSTPSLTITKAVILVRKFQNSPAEDFOEQCOYSQESQKFSQOLAV 180
QY 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVTAVARNPRMLSVTWOD 240
DB 181 PEGDSSFYIVSMCVASSVGSKFSKTQTFQGGCIIQPPPANITVTAVARNPRMLSVTWOD 240
QY 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAQEEFGQ 300
DB 241 PHSWNSFFYRLRFLRLRAERSKFTTMMVKDLOHHCVIHDAMSGLRHVQLRAQEEFGQ 300
QY 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVEFGA 360
DB 301 GEMSEMSPEAMGTWMTESRSPPAENEVSTPMQALTTNKDDNIIFRDSANATSLPVEQSS 360

Search completed: June 29, 2006, 21:24:39
Job time : 188 secs
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: June 29, 2006, 21:21:42 ; Search time 20 Seconds
(without alignments)
653.084 Million cell updates/sec

Title: US-09-462-416-7THEN1THEN7

Perfect score: 2912
Sequence: 1 MLTVGCLALALALAPGAL.....LILRSFKFELQSSIALRQM 553

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_New:*
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2: /EMC_Celexra_SIDS3/prodata/1/pubppaa/US06_NEW_PUB.pep:*
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6: /EMC_Celexra_SIDS3/prodata/1/pubppaa/US10_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	947.5	32.5	212	6	US-10-505-928-453 Sequence 453, App
2	947.5	32.5	212	6	US-10-511-937-2489 Sequence 2489, App
3	947.5	32.5	212	6	US-10-933-854-11 Sequence 11, App1
4	296	10.2	368	6	US-10-449-902-38075 Sequence 38075, A
5	201	6.9	422	7	US-11-296-092-32 Sequence 32, App1
6	201	6.9	422	7	US-11-296-155-32 Sequence 32, App1
7	139	4.8	229	7	US-11-297-134-8 Sequence 8, App11
8	133.5	4.6	885	6	US-10-505-928-432 Sequence 432, App
9	133.5	4.6	885	6	US-11-251-465-20 Sequence 20, App1
10	129	4.4	894	7	US-11-251-465-21 Sequence 21, App1
11	120	4.1	440	7	US-11-251-465-65 Sequence 65, App1
12	120	4.1	449	7	US-11-251-465-68 Sequence 68, App1
13	119	4.1	4391	7	US-11-183-325-56 Sequence 56, App1
14	114.5	3.9	635	6	US-10-511-937-2424 Sequence 2424, App
15	114.5	3.9	1005	7	US-11-259-133-20 Sequence 20, App1
16	113	3.9	639	7	US-11-246-999-33 Sequence 33, App1
17	113	3.9	697	7	US-11-246-999-149 Sequence 149, App
18	112	3.8	529	7	US-11-154-977-6 Sequence 6, App11
19	112	3.8	529	7	US-11-154-977-81 Sequence 81, App1
20	109	3.7	836	6	US-10-511-937-2988 Sequence 2988, App
21	108	3.7	213	7	US-11-263-230-333 Sequence 333, App
22	108	3.7	572	7	US-11-269-117-2 Sequence 2, App11
23	107.5	3.7	214	7	US-11-219-121-33 Sequence 33, App1
24	107.5	3.7	218	7	US-11-254-182-39 Sequence 39, App1
25	107.5	3.7	502	7	US-11-154-977-87 Sequence 87, App1

26	107	3.7	213	7	US-11-263-230-217 Sequence 217, App
27	107	3.7	213	7	US-11-174-287-6 Sequence 6, App11
28	107	3.7	213	7	US-11-256-060-16 Sequence 16, App1
29	106	3.6	213	7	US-11-263-230-211 Sequence 211, App
30	106	3.6	213	7	US-11-263-230-231 Sequence 231, App
31	106	3.6	213	7	US-11-263-230-233 Sequence 233, App
32	106	3.6	213	7	US-11-263-230-239 Sequence 239, App
33	106	3.6	213	7	US-11-263-230-247 Sequence 247, App
34	105.5	3.6	214	7	US-11-219-121-29 Sequence 29, App1
35	105.5	3.6	214	7	US-11-219-121-31 Sequence 31, App1
36	104.5	3.6	233	7	US-11-259-563-130 Sequence 130, App
37	104	3.6	213	7	US-11-263-230-229 Sequence 229, App
38	104	3.6	213	7	US-11-263-230-245 Sequence 245, App
39	104	3.6	213	7	US-11-263-230-249 Sequence 249, App
40	104	3.6	213	7	US-11-263-230-255 Sequence 255, App
41	104	3.6	411	7	US-11-154-977-83 Sequence 83, App1
42	103.5	3.6	1204	7	US-11-289-102-236 Sequence 236, App
43	103	3.5	213	7	US-11-263-230-237 Sequence 237, App
44	103	3.5	213	7	US-11-263-230-318 Sequence 318, App
45	102.5	3.5	218	7	US-11-254-182-37 Sequence 37, App1

ALIGNMENTS

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RESULT 1
US-10-505-928-453      Application US/10505928
; Sequence 453, App1
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/339178
; CURRENT APPLICATION NUMBER: US/10/505,928
; CURRENT FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 453
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-505-928-453

Query Match      32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2.6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY      355 PVEFGAG-LVLGGQF-MPVPPGEDSKDVAAPHROPIITSSERIDKQIRYIIDGISALRKE 411
      |||||
Db      11 PVAFSLGLLVLPAFPAPVPPEGDSKDVAAPIHQPIITSSBRIDKQIRYIIDGISALRKE 70

QY      412 TCNKNMNCSSKELANNINLPMMAEKDCFGSGFNEETLVKIIITGLLEFVYLEVQ 471
      |||||
Db      71 TCNKNMNCSSKELANNINLPMMAEKDCFGSGFNEETLVKIIITGLLEFVYLEVQ 130

QY      472 NRPFSSEQARAVOMSTKVLIQFLQKAKNIDAITTDPPTNASLITKLOQONOMLODMT 531
      |||||
Db      131 NRPFSSEQARAVOMSTKVLIQFLQKAKNIDAITTDPPTNASLITKLOQONOMLODMT 190

QY      532 THILRSFKFELQSSIALRQM 553
      |||||
Db      191 THILRSFKFELQSSIALRQM 212

RESULT 2
US-10-511-937-2489
; Sequence 2489, Application US/10511937
; Publication No. US20060088836A1
; GENERAL INFORMATION:
; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
; APPLICANT: Wollgemuth, Day
```

APPLICANT: Fry, Kirk
APPLICANT: Woodward, Robert
APPLICANT: Ly, Ngoc
APPLICANT: Prentice, James
APPLICANT: Morris, Macdonald
APPLICANT: Rosenberg, Steven
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
FILE REFERENCE: 50661200104
CURRENT FILING DATE: 2004-10-19
PRIOR APPLICATION NUMBER: PCT/US2003/012946
PRIOR FILING DATE: 2003-04-24
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 10/325,899
PRIOR FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 3117
SOFTWARE: Patentin version 3.2
SEQ ID NO 2489
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
US-10-511-937-2489

Query Match 32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2.6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY 355 PVEFGAG--LVLGQGF-MVPPGEDSKDVAAPHROPJTSSERIDKQIRYILDGISAIRKE 411
DB 11 PVAFSIGLLVLPAAFPAPVPPEDESKDVAAPHROPJTSSERIDKQIRYILDGISAIRKE 70
QY 412 TCNKSNNCCSSKEALANNINLPKMAKDCGFCGNEETCLVKIITGLLEFEVYLEYIQ 471
DB 71 TCNKSNNCCSSKEALANNINLPKMAKDCGFCGNEETCLVKIITGLLEFEVYLEYIQ 130
QY 472 NRESESEQARAQVMSKTVLIQFLQKAKNLDIITPDPPTNASTLTKLQAOQWLODMT 531
DB 131 NRESESEQARAQVMSKTVLIQFLQKAKNLDIITPDPPTNASTLTKLQAOQWLODMT 190
QY 532 THILRSFKFLOSSLRALRQM 553
DB 191 THILRSFKFLOSSLRALRQM 212

RESULT 3
US-10-933-854-11
Sequence 11, Application US/10933854
Publication No. US20060105347A1
GENERAL INFORMATION:
APPLICANT: GTC Biotherapeutics, Inc.
APPLICANT: Meade, Harry
APPLICANT: Cox, Geoffrey F.
TITLE OF INVENTION: Method for the Production of Fusion Proteins in Transgenic Mammal
FILE REFERENCE: GTC-220 PCT
CURRENT APPLICATION NUMBER: US/10/933,854
CURRENT FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: 60/500,910
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.2
SEQ ID NO 11
LENGTH: 212
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Human a Interferon Variant 2A
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Genbank/EMBL/DBJ Accession No. CAA00839
DATABASE ENTRY DATE: 1993-12-03

RELEVANT RESIDUES: (1)..(212)
US-10-933-854-11

Query Match 32.5%; Score 947.5; DB 6; Length 212;
Best Local Similarity 95.0%; Pred. No. 2.6e-65;
Matches 192; Conservative 0; Mismatches 7; Indels 3; Gaps 2;

QY 355 PVEFGAG--LVLGQGF-MVPPGEDSKDVAAPHROPJTSSERIDKQIRYILDGISAIRKE 411
DB 11 PVAFSIGLLVLPAAFPAPVPPEDESKDVAAPHROPJTSSERIDKQIRYILDGISAIRKE 70
QY 412 TCNKSNNCCSSKEALANNINLPKMAKDCGFCGNEETCLVKIITGLLEFEVYLEYIQ 471
DB 71 TCNKSNNCCSSKEALANNINLPKMAKDCGFCGNEETCLVKIITGLLEFEVYLEYIQ 130
QY 472 NRESESEQARAQVMSKTVLIQFLQKAKNLDIITPDPPTNASTLTKLQAOQWLODMT 531
DB 131 NRESESEQARAQVMSKTVLIQFLQKAKNLDIITPDPPTNASTLTKLQAOQWLODMT 190
QY 532 THILRSFKFLOSSLRALRQM 553
DB 191 THILRSFKFLOSSLRALRQM 212

RESULT 4
US-10-449-902-38075
Sequence 38075, Application US/10449902
Publication No. US20060123505A1
GENERAL INFORMATION:
APPLICANT: National Institute of Agricultural Sciences.
APPLICANT: Bio-oriented Technology Research Advancement Institution.
APPLICANT: The Institute of Physical and Chemical Research.
APPLICANT: Foundation for Advancement of International Science.
TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USRS THEREOF
FILE REFERENCE: MOA-A0205Y1-US
CURRENT APPLICATION NUMBER: US/10/449,902
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: JP 2002-203269
PRIOR FILING DATE: 2002-05-30
PRIOR APPLICATION NUMBER: JP 2002-383870
PRIOR FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 56791
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 38075
LENGTH: 368
TYPE: PRT
ORGANISM: Oryza sativa
US-10-449-902-38075

Query Match 10.2%; Score 296; DB 6; Length 368;
Best Local Similarity 28.0%; Pred. No. 2.9e-15;
Matches 106; Conservative 45; Mismatches 152; Indels 76; Gaps 16;

QY 12 LLAAPALALAPRCAPQAEVARGVLTSLPGDSVLTGCPGPEBDNATVHWLARKPAAGSHP 71
DB 12 VLAAGVAAVAAQR---SQDTHLVYERLGSVDYLLPC-GTAAWSTAATWRNGDLEAAH 67
QY 72 SRWAGGRILLRSVOLHDSGNYSYRAG---RPAQVHLLVDPPEPQLSCFRKSP 127
DB 68 N-----GQQLVLEGLDLSHSGHYACYGSSHWLRVALLH--VGMPREBEVLLCRSNSYP 120
QY 128 SNVVCEM---GPRSTSLTTKAVILVRKF---QNSPADBQGBCCQYSQBSQKRSQOLAVP 181
DB 121 KGFYCSMHLPSPTFTNTFNTVTLHSGSKLGCEDPA-----PKRCHIRYT 167
QY 182 EGDSEF-YIVSMCVASVGSKFSKTQTFQCGIILQDPDPANITVTAARPRMISVTWQD 240
DB 168 HLFSTYKIVKTVTLVTNALGN-STAITPDEFITVKKDPPENVAVARVPSPRLLEVMTQ 226
QY 241 PHSW-NSFYRLRLELRYAERSKTTTMMVKLOLQHC-----VIHDAMGLRHVQ 291
DB 227 PSSMPDESPPLKFLRYRP-----LILDQWQHVLEISDGTHTTITDVAAGKEYIIQ 277

TYPE: PRT
ORGANISM: Homo Sapien
US-11-296-155-32

Query Match 6.9%; Score 201; DB 7; Length 422;
Best Local Similarity 24.7%; Pred. No. 6.2e-08;
Matches 99; Conservative 51; Mismatches 151; Indels 100; Gaps 20;

```

QY      8 LLAALLAARA-----ALAPRCPAOEVARGVLTSLPGDSVTLTGPCVEPEENATVHW 61
      24 LLLCVLGAPPAAGSAHTAVISQDP-----TLIGSSLATC-----SVHG- 64
QY      62 LRKPAAGSHPSRWAGMGRRL-----LRSYQLHDSGVNVCY-RAGRP 102
DB      65 -DPPGATBGLYTLNGRLRPLPELSRVLAATALALANLNGSRGSDNLYCHADGSI 123
QY      103 AGTVHLVDVPREP-QLSCFRKSPSNVVCWGP-----RSTPSLTTKAVLLVRKP 153
DB      124 LAGSCLYVGLPPEKPVNISCMXKN-MKDLTCWTPGAHGBTFPLHTVYSLKYK---LRWY 178
QY      154 -QNSPADFOEPQOYQOESQKFCQOLAVPEGDSF--YIVSMCVASSVGSKEKSTQTFQG 210
DB      179 GQDNTCEHTVGPH-----SCH--IPKDALFTPYELIWTVEATRYRLGARSADVLTLDI 229
QY      211 CGILODPPANITVTVAARNPRLSVTQDPSHMNSFYRLREPLRYRARSKTFTTMY 270
DB      230 LDVVTDDPPDVAVSRVGLLEDQLSVRWSPPALKDFLPAKQIRYVDS---VDMKY 286
QY      271 KD---LQHNCVIHDAWSGLRHVVQLRAOEBFG-----QGEWMS-PEAMGTPTESRS 320
DB      287 VDDVNSQTSCLAGLKRGTVYFVQVRC-NPFGIYGSKKAGIMESWHPSTAASPSRBP 345
QY      321 P-----PAENEVSTPMQALTTNDDNILFR 346
DB      346 PGGACPEPGGEPSSGFRRELKQFLGWLKKAHAYCSNLSPR 386

```

RESULT 7
US-11-297-134-8

```

; Sequence 8, Application US/11297134
; Publication No. US20060111297A1
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Roberts, Bruce
; TITLE OF INVENTION: BLOOD FACTOR DOMAINS
; FILE REFERENCE: 5270C
; CURRENT APPLICATION NUMBER: US/11/297,134
; CURRENT FILING DATE: 2005-12-08
; PRIOR APPLICATION NUMBER: PCT/US2005/018461
; PRIOR FILING DATE: 2004-06-09
; PRIOR APPLICATION NUMBER: US 60/477,291
; PRIOR FILING DATE: 2003-06-09
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8
; LENGTH: 229
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-297-134-8

```

Query Match 4.8%; Score 139; DB 7; Length 229;
Best Local Similarity 23.8%; Pred. No. 0.0014;
Matches 54; Conservative 39; Mismatches 100; Indels 34; Gaps 10;

```

QY      98 RAGRPAGTVHLVDVPEEPQLSC-FRKSPLSNVVCWGRSTPSLTTKAVLLVRKONS 156
DB      21 RKPPPALT-----LPRVQCRASTRYPYA-VDCSWTLPPAPNSTSPVSFIATRYLGM 70
QY      157 PADDFQEPQOYQOESQKFCQOLA-VPEGDSFYIVSMCVASSVGSKEKSTQTFQCGIILQ 215
DB      71 AAGGHSWPC-LQQTPTSTSLITDVOLFSAAPYVLANATAVHPWGSS--SSVFPPTTEHIK 128
QY      216 PDPPANITVTVAARNPRLSVTQDPSHMN-SSFYRLRPLRYARSKTF-----T 266

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DB      129 PDPEBGRKLSPLAE--RQIQVQWEPGSGWPFPEIFSLKXWIRKQGAARFHVGPTEAT 186
QY      267 TMMVKDLOHHCVIHDAMSGLRHVVLRAOEFGQGSWSEMSPRAMGT 313
DB      187 SFLIRAVRBRRA-----RYVVQVAADLTVDGELSDMSLPTAT 224

```

RESULT 8
US-10-505-928-432

```

; Sequence 432, Application US/10505928
; Publication No. US20060088532A1
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research et al.
; TITLE OF INVENTION: LYMPHATIC ENDOTHELIAL GENES
; FILE REFERENCE: 28967/39178
; CURRENT APPLICATION NUMBER: US/10/505,928
; CURRENT FILING DATE: 2004-08-27
; PRIOR APPLICATION NUMBER: US 60/363,019
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: PatentIn 3.2
; SEQ ID NO 432
; LENGTH: 885
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-505-928-432

```

Query Match 4.6%; Score 133.5; DB 6; Length 885;
Best Local Similarity 18.5%; Pred. No. 0.024;
Matches 133; Conservative 76; Mismatches 226; Indels 283; Gaps 33;

```

QY      4 VGCALLAALLAAPG-AALAPRCPAOEVA-----RGVLTSLPGSVTLTC-----PGYERPD 54
DB      8 MGRVPLAMCLALCGWACMAPRGTOAESPPVGNITGARGLTGLRCQLQVQGEPP- 66
QY      55 NATVHW-----LRKPAAGSHPSRWAGMGRLLRSVOLHDSGNVCY----- 97
DB      67 ---VHWLRQOQILHLDSTOTQVPLGEDDEDDMIYVS-QURITSLSLSDTQVQCLVFLG 122
QY      98 ---RAGRPA-----GTVHLVDVPREPQ-----LSCFRKSPSNVVCWGP 138
DB      123 HQTFVSPQYVGLBGPYFL-----DEPDRVTVAANTPRLSCQAGPPEPVLWLMDA 177
QY      139 TPELTTKAVLLVRKONSAPADFOEPQOYQOESQKFC----- 176
DB      178 VPLATAPG-----HGQQRSLHP-GLINKTSFSCAANNAKGVTTSTATITVLPQ 227
QY      177 -----OLAVEGDSFYIVSMCVASSVGSKEKSTQTFQCGIIL--OPDPPA 220
DB      228 PRMLHVSROPTLEVAWTPGLSGIYPLTHCTIOAVLSD-----DGMQIOAGEPDPPE 280
QY      221 NITVTVAARNPRLSV-----TWODPSHN-----NS 246
DB      281 EPLTQASVPPHQLRGLSLHPHTPYHIVACTSSQPSSTWHLPVETPEGVLPPEPNI 340
QY      247 SFPYR-----LAFELRYARBSKTFTTMMVKDLOHHCVIHDAMSG 286
DB      341 SATRNGSOAFVHQEBRAPLQGTLLGRLAYQGD--TPVLMDI-----GL 385
QY      287 RHVVLRAOE-----FGQGSWSEMS-----EWSPP-----EAMGTPTW- 315
DB      386 ROEVTLLELDGDSVSNLYTCVAAYTAAGDPNPLPPLERMRVXKBSPTAFSFPWYVL 445
QY      316 -----TESRSPAEENVSTPMQALTTNKDDNILFR-----DS 348
DB      446 IGAIVAAACVLLALFLVHRKKETRYGEVFE-----TVERGELVVRVYRKSYSRTTE 501
QY      349 ANATSLPV-----ERGAGLVIG-GQFMPVPPEDESKDVAARHROPITSS 391
DB      502 ATINSLIGSELKEKLRDVAVDHRKVALGTTLGEGBFGAAMEQOLDD----- 549
QY      392 ERIDQIRYILDGISALRKETCNKSNWCSSKEALENNINLPMKAEKDG-CFQSGFNEE 450

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Db 550 ---DSILKV---AKTKMIAICTRSELEDFJSEAVCMKEPDPNMRLLIGVCFQSSERS 603
Qy 451 -TCLVKITGLLEEVYLEYLQNRPESESEQARAVQWSTKVLIQLOKKAIXLDAIT 507
Db 604 FPAVVLIPFMKHGDLHSFLLYSRLGD-----QPYLPTQWLKVKMADIASGMEYLT 656

RESULT 9
US-11-251-465-20
; Sequence 20, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 20
; LENGTH: 885
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-20

Query Match 4.6%; Score 133.5; DB 7; Length 885;
Best Local Similarity 18.5%; Pred. No. 0.024;
Matches 133; Conservative 76; Mismatches 226; Indels 283; Gaps 33;

Qy 4 VCALLAALIAAPG-AALAPRCRPAQEV-----RGVLTSLPDGSVTLTC-----PGEVED 54
Db 8 MGRVPLMCLALCGMACWAPRGTOAEESPFGVGNPNITGARGLTGTLRCQLOVQGEPRP- 66
Qy 55 NATHWV-----LRKPAAGSHPRMAGMGRLLLRVQLHDSGNSYCY----- 97
Db 67 ---VHMLRDQOILELADSTQVPLGDEDDWIVS-QLRITSLQSLDQYQCLVFLG 122
Qy 98 ---RAGRPA-----GVHLVDVPEEPO-----LSCFRKSLSNVVCWMPGRS 138
Db 123 HQTVSQPGVYGLGPRFL-----EBEDRTVAANTPFNLSCQAQGPPEVDLMLQDA 177
Qy 139 TPSLTTRAVLLVRKFQNSPADFOEPCQYQSOQFSC----- 176
Db 178 VPLATARG-----HGPRSLHVP--GLNKTSSFCEAHNAKGVTTSRATITVLPQ 227
Qy 177 -----QLAVBEDSSFYIVSMCVASSVSGKFKTKTQFQCGIL--OPDPA 220
Db 228 PRNLHVSROPTLEAVMTPELSGIYPLTHCTLOAVLSD-----DMGIGQAGBPDP 280
Qy 221 NITVAARNPRMLSV-----TWODPHSM-----NS 246
Db 281 EPLTSQASVPRHQRLSGLSIHPTPYHTRVACTSSQGSQSWTHMLPVETPEGVPLGPENI 340
Qy 247 SFYR-----LRBELRYARBSKFTTMMVKDLOHNCVHDAMGGL 286
Db 341 SATNGSOAFVHMOEPRAPLOGTLGVLAYQOD--TPREVLMIDI-----GL 385
Qy 287 RHVQLRAOE-----FGQGEWS-----EWSP-----EAMGTPW----- 315
Db 386 ROEVTLBELQDGSVSNLTVCAAYTAAGDGPMSLPVLEAWRPVKEBPTAFSPWPMYVL 445
Qy 316 -----TESRSPAEENEVSTPMQALTTNKDDNILLR-----DS 348
Db 446 LGAVVAACVILALFLVHRKKETRYGEVFER--TVERGELVVRVRYKSKYSRRITTE 501

Qy 349 ANATSLPV-----EFGAGVILG-QGFMPVPRGEDSKDVAAHROPLTSS 391
Db 502 ATLNSLIGSEBLKEKLRDVMWRHVKVALGKTLGEBEFQAVMEQLOND----- 549
Qy 392 ERIKQIYIIDGSLAKKETCNKSNMCCSSKEALNENNLPRKAEDKG-CFQSGFNEE 450
Db 550 ---DSILKV---AKTKMIAICTRSELEDFJSEAVCMKEPDPNMRLLIGVCFQSSERS 603
Qy 451 -TCLVKITGLLEEVYLEYLQNRPESESEQARAVQWSTKVLIQLOKKAIXLDAIT 507
Db 604 FPAVVLIPFMKHGDLHSFLLYSRLGD-----QPYLPTQWLKVKMADIASGMEYLT 656

RESULT 10
US-11-251-465-21
; Sequence 21, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE REFERENCE: P30,172-A USA
; CURRENT FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2004-10-15
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 21
; LENGTH: 894
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-251-465-21

Query Match 4.4%; Score 129; DB 7; Length 894;
Best Local Similarity 18.3%; Pred. No. 0.053;
Matches 133; Conservative 76; Mismatches 226; Indels 292; Gaps 33;

Qy 4 VCALLAALIAAPG-AALAPRCRPAQEV-----RGVLTSLPDGSVTLTC-----PGEVED 54
Db 8 MGRVPLMCLALCGMACWAPRGTOAEESPFGVGNPNITGARGLTGTLRCQLOVQGEPRP- 66
Qy 55 NATHWV-----LRKPAAGSHPRMAGMGRLLLRVQLHDSGNSYCY----- 97
Db 67 ---VHMLRDQOILELADSTQVPLGDEDDWIVS-QLRITSLQSLDQYQCLVFLG 122
Qy 98 ---RAGRPA-----GVHLVDVPEEPO-----LSCFRKSLSNVVCWMPGRS 138
Db 123 HQTVSQPGVYGLGPRFL-----EBEDRTVAANTPFNLSCQAQGPPEVDLMLQDA 177
Qy 139 TPSLTTRAVLLVRKFQNSPADFOEPCQYQSOQFSC----- 176
Db 178 VPLATARG-----HGPRSLHVP--GLNKTSSFCEAHNAKGVTTSRATITVLPQ 227
Qy 177 -----QLAVBEDSSFYIVSMCVASSVSGKFKTKTQFQCGIL--OPDPA 220
Db 228 PRNLHVSROPTLEAVMTPELSGIYPLTHCTLOAVLSD-----DMGIGQAGBPDP 280
Qy 221 NITVAARNPRMLSV-----TWODPHSM-----NS 246
Db 281 EPLTSQASVPRHQRLSGLSIHPTPYHTRVACTSSQGSQSWTHMLPVETPEGVPLGPENI 340
Qy 247 SFYR-----LRBELRYARBSKFTTMMVKDLOHNCVHDAMGGL 286
Db 341 SATNGSOAFVHMOEPRAPLOGTLGVLAYQOD--TPREVLMIDI-----GL 385
Qy 287 RHVQLRAOE-----FGQGEWS-----EWSP-----EAMGTPW----- 310
Db 386 ROEVTLBELQDGSVSNLTVCAAYTAAGDGPMSLPVLEAWRPQOAPVHQLVKEBPTPA 445

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QY 311 MGTPT-----TESRPPANEYSTPMQALTTNKDDNIIIFR-- 346
DB 446 FSNPMWVLLGAVAAACVLIALLPLVHRKKEKTRGVEVEP-----TVREGELVYRYRA 501
QY 347 -----DSANATSLPV-----BFGAGLVIG-GQFMPVPGEDSDVA 382
DB 502 KYSRRTTERTLNSLGISELSEKELADWMDRKHVALGKTLGEGFAGVMEQJLND--- 558
QY 383 PHROPLTSSERIDKQIRYILDIGISLRKETCNKSNKCESSKEALAEENNILPYMAEKDQ- 441
DB 559 -----DSILKV-----AVTKMKIALCTRSJLEDFLSEFAVCMKEFDPHVMRLIGV 603
QY 442 CPOSGFNEE-TCVAKIITGLFEFVYLEVQNFESSEBQARAVCMSTKYLQFLQKAK 500
DB 604 CPGSSRESFPADVLLPFMKHGLHSPFLYSRLGD-----QPVYLPOMLVKFMADIAS 658
QY 501 NLDATT 507
DB 659 GMEYLSL 665

```

```

RESULT 11
US-11-251-465-65
; Sequence 65, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE OF INVENTION: Inflammatory Diseases
; FILE REFERENCE: P30, 172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
US-11-251-465-65

```

```

Query Match 4.1%; Score 120; DB 7; Length 440;
Best Local Similarity 20.9%; Pred. No. 0.0991;
Matches 88; Conservative 37; Mismatches 123; Indels 174; Gaps 23;

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```

QY 4 VGCALLAALIAAPG-AALAPRRCPAOEVA-----RGVLTSLPGDSVTLTC-----PGVEPED 54
DB 8 MGRVPLAMCIALCGWACMAPRGTOAESPPVGNPGNITGARGLTGLRCQLQVQGEPPR- 66
QY 55 NATVHWV-----LKRPAAGSHPSRWAGMRLLRLRSVOLHDSGNYSY---- 97
DB 67 ---VHMLRDQILBLADSTQTVPLGEDDQDMIVVS-QLRITSLQSLDQVQCVLFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPPRPO-----LSCFRKSPLSNVVCEWGP 138
DB 123 HQFVSPQPGVGLGELPYFL-----EEEDRTVAANTPFLNSCOAQGPPEVDLLMLQDA 177
QY 139 TPELTTKAVLLVKKFONSRAEDFOEPCQVSOESQKESC----- 176
DB 178 VPLATAPG-----HGPRSLHVP--GLNKTSSFCCEAHNAKGVTTSTATTATITVLPQ 227
QY 177 -----QLAVPEGDSFYIVSMCVASSVGSKSKTQTFQGCIL--QPDPPA 220
DB 228 PRNLIHVSROPTLELVAMTPGLSGIYPLTHCTIQAVALSD-----DGMGIQAGEPDPPE 280

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QY 221 NITVTAAVRNPLMLSTWODPHSNSSFYRLRPELRYARBRSKTFTTMMVKDLQHHCVIH 280
DB 281 E-PLTSQASVP-----PH-----QLR-----LGSILHPTPYH 306
QY 281 DAWSGLRHVVOLRAOEFQGEWSEW-----SPEA--MGTPT-----WTESR 319
DB 307 -----IRVACTSSQGPSSWTHMLPVETPEGVPLGPPENISATRNQSGQAFVHMQEPR 357
QY 320 SP 321
DB 358 AP 359

```

```

RESULT 12
US-11-251-465-68
; Sequence 68, Application US/11251465
; Publication No. US20060094061A1
; GENERAL INFORMATION:
; APPLICANT: Brys, Reginald
; APPLICANT: Vandeghinste, Nick
; APPLICANT: Tomme, Peter
; APPLICANT: Klaassen, Hubertus
; TITLE OF INVENTION: Molecular Targets And Compounds, And Methods To Identify The
; TITLE OF INVENTION: Same, Useful In The Treatment Of Joint Degenerative And
; FILE OF INVENTION: Inflammatory Diseases
; FILE REFERENCE: P30, 172-A USA
; CURRENT APPLICATION NUMBER: US/11/251,465
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: 60/619,384
; NUMBER OF SEQ ID NOS: 880
; SOFTWARE: PatentIn version 3.3
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Protein domain
US-11-251-465-68

```

```

Query Match 4.1%; Score 120; DB 7; Length 449;
Best Local Similarity 20.9%; Pred. No. 0.1;
Matches 88; Conservative 37; Mismatches 123; Indels 174; Gaps 23;

```

```

QY 4 VGCALLAALIAAPG-AALAPRRCPAOEVA-----RGVLTSLPGDSVTLTC-----PGVEPED 54
DB 8 MGRVPLAMCIALCGWACMAPRGTOAESPPVGNPGNITGARGLTGLRCQLQVQGEPPR- 66
QY 55 NATVHWV-----LKRPAAGSHPSRWAGMRLLRLRSVOLHDSGNYSY---- 97
DB 67 ---VHMLRDQILBLADSTQTVPLGEDDQDMIVVS-QLRITSLQSLDQVQCVLFLG 122
QY 98 ---RAGRPA-----GTVHLLVDVPPRPO-----LSCFRKSPLSNVVCEWGP 138
DB 123 HQFVSPQPGVGLGELPYFL-----EEEDRTVAANTPFLNSCOAQGPPEVDLLMLQDA 177
QY 139 TPELTTKAVLLVKKFONSRAEDFOEPCQVSOESQKESC----- 176
DB 178 VPLATAPG-----HGPRSLHVP--GLNKTSSFCCEAHNAKGVTTSTATTATITVLPQ 227
QY 177 -----QLAVPEGDSFYIVSMCVASSVGSKSKTQTFQGCIL--QPDPPA 220
DB 228 PRNLIHVSROPTLELVAMTPGLSGIYPLTHCTIQAVALSD-----DGMGIQAGEPDPPE 280
QY 221 NITVTAAVRNPLMLSTWODPHSNSSFYRLRPELRYARBRSKTFTTMMVKDLQHHCVIH 280
DB 281 E-PLTSQASVP-----PH-----QLR-----LGSILHPTPYH 306
QY 281 DAWSGLRHVVOLRAOEFQGEWSEW-----SPEA--MGTPT-----WTESR 319
DB 307 -----IRVACTSSQGPSSWTHMLPVETPEGVPLGPPENISATRNQSGQAFVHMQEPR 357
QY 320 SP 321

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Db 358 AP 359

RESULT 13

US-11-183-325-56
 ; Sequence 56, Application US/11183325
 ; Publication No. US20060104898A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Vanderbilt University
 ; APPLICANT: Hallahan, Dennis E
 ; APPLICANT: Ou, Shihuan
 ; TITLE OF INVENTION: IN VIVO PANNING FOR LIGANDS TO RADIATION-INDUCED MOLECULES
 ; FILE REFERENCE: 1242/47/2 CIP
 ; CURRENT APPLICATION NUMBER: US/11/183,325
 ; PRIOR FILING DATE: 2005-07-15
 ; PRIOR APPLICATION NUMBER: US 60/328123
 ; PRIOR FILING DATE: 2001-10-03
 ; PRIOR APPLICATION NUMBER: US 10/259,087
 ; PRIOR FILING DATE: 2002-09-27
 ; NUMBER OF SEQ ID NOS: 56
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 56
 ; LENGTH: 4391
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; PUBLICATION INFORMATION:
 ; DATABASE ACCESSION NUMBER: P98160
 ; DATABASE ENTRY DATE: 2003-02-28
 ; RELEVANT RESIDUES: (1)..(4391)
 US-11-183-325-56

Query Match 4.1%; Score 119; DB 7; Length 4391;
 Best Local Similarity 26.5%; Pred. No. 2.6;
 Matches 65; Conservative 22; Mismatches 98; Indels 60; Gaps 14;

QY 3 AVGCALLAALLAAGALAPRCRAQEVAKVLTSLGDSVTLTCGVEPEPDNATVW-V 61
 Db 3190 ALGPAQKQVEVITVDYGMAR-GAPQVOAEAEALVVEAGHTATLFC-SATGSPATIHMSK 3247
 QY 62 LRKPAAGSHPSRWAGMRRLLRSVQLHDSGNVSCYRAGRPAQ---TVHLLVDPVP--- 114
 Db 3248 LRSEPLWQHRLKLE---GDTLIPRVAAQDSCQYIC-NATSPAGHAETIILHVESPPYAT 3302
 QY 115 -----EEBOLSCFRKSPLSNVVCEWSPRSTSLTTKAVILVRKFNQNSPAEDFOE 163
 Db 3303 TVPEHSAVQAGETVQLQCL-----AHGTPEPLT-----PQMSRVGS-SL 3339
 QY 164 PCOYSGSQKFSQCOLAVPEGDSFYIVSMC-VASSVSGSKSKTQTFQGCGLIQDPDPANI 222
 Db 3340 PGRATANEHLHFERAAPE-DSGRY---RCRVTNKGVSAAEFAQ-----LLVQGPQGL 3389
 QY 223 TVTAV 227
 Db 3390 PATSI 3394

RESULT 14

US-10-511-937-2424
 ; Sequence 2424, Application US/10511937
 ; Publication No. US2006008836A1
 ; GENERAL INFORMATION:
 ; APPLICANT: EXPRESSION DIAGNOSTICS, INC.
 ; APPLICANT: Wohlgenuch, Jay
 ; APPLICANT: Fry, Kirk
 ; APPLICANT: Woodward, Robert
 ; APPLICANT: Ly, Ngoc
 ; APPLICANT: Prentice, James
 ; APPLICANT: Morris, Macdonald
 ; APPLICANT: Rosenberg, Steven
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
 ; TITLE OF INVENTION: AND MONITORING TRANSPLANT REJECTION
 ; FILE REFERENCE: 506612000104

;; CURRENT APPLICATION NUMBER: US/10/511,937
 ; CURRENT FILING DATE: 2004-10-19
 ; PRIOR APPLICATION NUMBER: PCT/US2003/012946
 ; PRIOR FILING DATE: 2003-04-24
 ; PRIOR APPLICATION NUMBER: US 10/131,831
 ; PRIOR FILING DATE: 2002-04-24
 ; PRIOR APPLICATION NUMBER: US 10/325,899
 ; PRIOR FILING DATE: 2002-12-20
 ; NUMBER OF SEQ ID NOS: 3117
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 2424
 ; LENGTH: 635
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-511-937-2424

Query Match 3.9%; Score 114.5; DB 6; Length 635;
 Best Local Similarity 21.1%; Pred. No. 0.43;
 Matches 100; Conservative 52; Mismatches 150; Indels 173; Gaps 27;

QY 47 CPGVEPEDNA-----TVHWLVRKPAAGSHPSRWAGM---GRRLLRSVQLHDS 91
 Db 194 CPALQRPHSALDQSPCAQPTMPW---QDGPKQTSPPREASALTAEGSSCLISGHQ--PG 249
 QY 92 GNYSCTAAGRPAQ-----TVHLLVDPPEEPQ--LSCFRKSPLSNVVCEWSPRST 139
 Db 250 NSYWLQURSEBEDGISLGGWSGWSLPTVVDLPGDAVALGQCFTLD-LKNVTCQMQQODH 308
 QY 140 PSLTTKAVLLVRKQNSPAEDFO--EPCQYSGQESQKFSQCOLAVE-----GDSGFY 188
 Db 309 AS--SQGFYHSRRACCPDRDRIWENC--ESEEKINPGLQTOFQSCCHKRNSDIH 363
 QY 189 IV-----SMCVASSVSGSKSKTQTFQGCGLIQDPDPANITVTAVARNPRV-----LS 235
 Db 364 ILVEVTTAPGVHSYLSLSPFIHQ-----AVRLPTP-----NLHREISSGHLE 407
 QY 236 VTWQDPHSNMSFRLRFLRYRERKFTTVMWVXQLHHCYHIDAMSG----- 286
 Db 408 LEWQHPSSMAAQ--ETCYQLRYTGE-----HODKVLPEPLGARGG 447
 QY 287 -----RHVVOLRAQ--EEFGQGESEWSEPMAGTPTWESRSPPAENEVSTPMQALTT 336
 Db 448 TLELRPSRRRLQRLALNGPTYQGPMSW-----SDPRVETATETAWISL 494
 QY 337 NKQDNLIFRDSANAVSLPVEFGAVLIG-----GQEMPVPPGSDSKDVAAPHQ----- 386
 Db 495 -----VTALHLVILGSAVILGLLLRWQF-----PAHYRRLRHAL 528
 QY 387 --PLTSSERIDKQIRYILDGISALRKETCKNSMNCSSKEALANNINLPPMAEK 439
 Db 529 WPSLPLDLHRYLGQ--YLRD--TAALSPPKATVSDTCEVEPSLLE---ILPKSSER 577

RESULT 15

US-11-259-133-20
 ; Sequence 20, Application US/11259133
 ; Publication No. US20060121042A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DaimlerChrysler AG
 ; APPLICANT: Kinch, Michael
 ; APPLICANT: Kinch, Michael
 ; TITLE OF INVENTION: MODULATION OF ANTIBODY SPECIFICITY BY TAILORING THE AFFINITY TO
 ; TITLE OF INVENTION: COGNATE ANTIGENS
 ; FILE REFERENCE: EP7000US
 ; CURRENT APPLICATION NUMBER: US/11/259,133
 ; CURRENT FILING DATE: 2005-10-27
 ; PRIOR APPLICATION NUMBER: 60/622,711
 ; PRIOR FILING DATE: 2004-10-27
 ; PRIOR APPLICATION NUMBER: 60/717,209
 ; PRIOR FILING DATE: 2005-09-16
 ; NUMBER OF SEQ ID NOS: 205
 ; SOFTWARE: PatentIn version 3.3

SEQ ID NO 20
LENGTH: 1005
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: BINDING
LOCATION: (31)...(204)
OTHER INFORMATION: Ephrin receptor ligand binding domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (191)...(325)
OTHER INFORMATION: cysteine-rich region
FEATURE:
NAME/KEY: CHAIN
LOCATION: (329)...(424)
OTHER INFORMATION: Fibronectin type 3 domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (440)...(531)
OTHER INFORMATION: Fibronectin type 3 domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (635)...(892)
OTHER INFORMATION: Tyrosine kinase, catalytic domain
FEATURE:
NAME/KEY: CHAIN
LOCATION: (934)...(992)
OTHER INFORMATION: SAM Domain (Sterile alpha motif)
US-11-259-133-20

Query Match 3.9%; Score 114.5; DB 7; Length 1005;
Best Local Similarity 19.5%; Pred. No. 0.79;
Matches 109; Conservative 71; Mismatches 175; Indels 205; Gaps 31;

QY 25 CPAQEVARGVLTSLPGDSVTLTQGVPEEDNATVHWLTKRPAAGSHPSRMAGMGRLLLR 84
DB 273 CVACEL--GFYKAPGDLQARCP--PHSHSAA-----PAAQA----- 306
QY 85 SVQLHDSGNISCRAGRPATVHLVDVPEEPQLSCFR--KSPPL-----SNVYCEW 134
DB 307 ---CHCDLSY--YRAAL-----DPPSACTRPPSAFVNLISSVNGTSVTLFW 348
QY 135 GPRSTP-----SLTTKAVILVRKFNQSPADFOEPCOYSQESQKSCCOLAVPBGDSFYIV 190
DB 349 APPLDPOGRSDITYNV-----CR-----RCPWA-----L 373
QY 191 SMCVASSVSGKFSKTYT-----FOGCGILOPP-----PANI 222
DB 374 SRCEACGSGTRFVPOQTSLVQASLVANLLAHMNYSEFIVAVGVSDLSPEPRRAAVNI 433
QY 223 TV-----TAVARNR-----WLSVTWQDPHSWNSFYRLRFELRYAERSKTFITW-MV 270
DB 434 TTNOAPSOVVVIRQERAGQTSVSLWQEPQPGIIT--LEYEIKY--YERDKEMOSYSTL 490
QY 271 KDLQHCVIIDAMSGLRHVVLRAQEEFGQEWSESPBAMGTPTWESRSPPAENEVSTP 330
DB 491 KAVTTRATVSGLRGTYYVQVRAKTSAGGRFS-----QAME---VETGKPRPRYDRTI 543
QY 331 MOALTNNKDDNLI-----FRDSANATSLPVEFGAGVLGGQPMV--P 372
DB 544 VWICLTLLITGLVVLILLICCKRHGYSKAFQDSDEE--KMHYQNGQAPPVFLPLHHP 600
QY 373 PGE--DSKDVAAH--RQPLTSSBRIDKQIRYILDGISALRKETCNKSNMCSSEKALAE 428
DB 601 PGKLPPEQFYABPHYEPEPRAGSFTREI-----EASR----- 634
QY 429 NNINLPMAEKDCFOGFEETCLVXI--ITGLLEFEVLEYLONRPESSSEQARAVQMS 487
DB 635 --IHIEKI-----ISSGDSGEVYCYGLRVPQGRDVPVALKALKAGY--TERQRRDLSE 684
QY 488 TKVLIQFLQKAKNLDAITT 507
DB 685 ASIMGQFDHNPNIIRLEGVTT 704

Search completed: June 29, 2006, 21:25:05
Job time : 21 secs